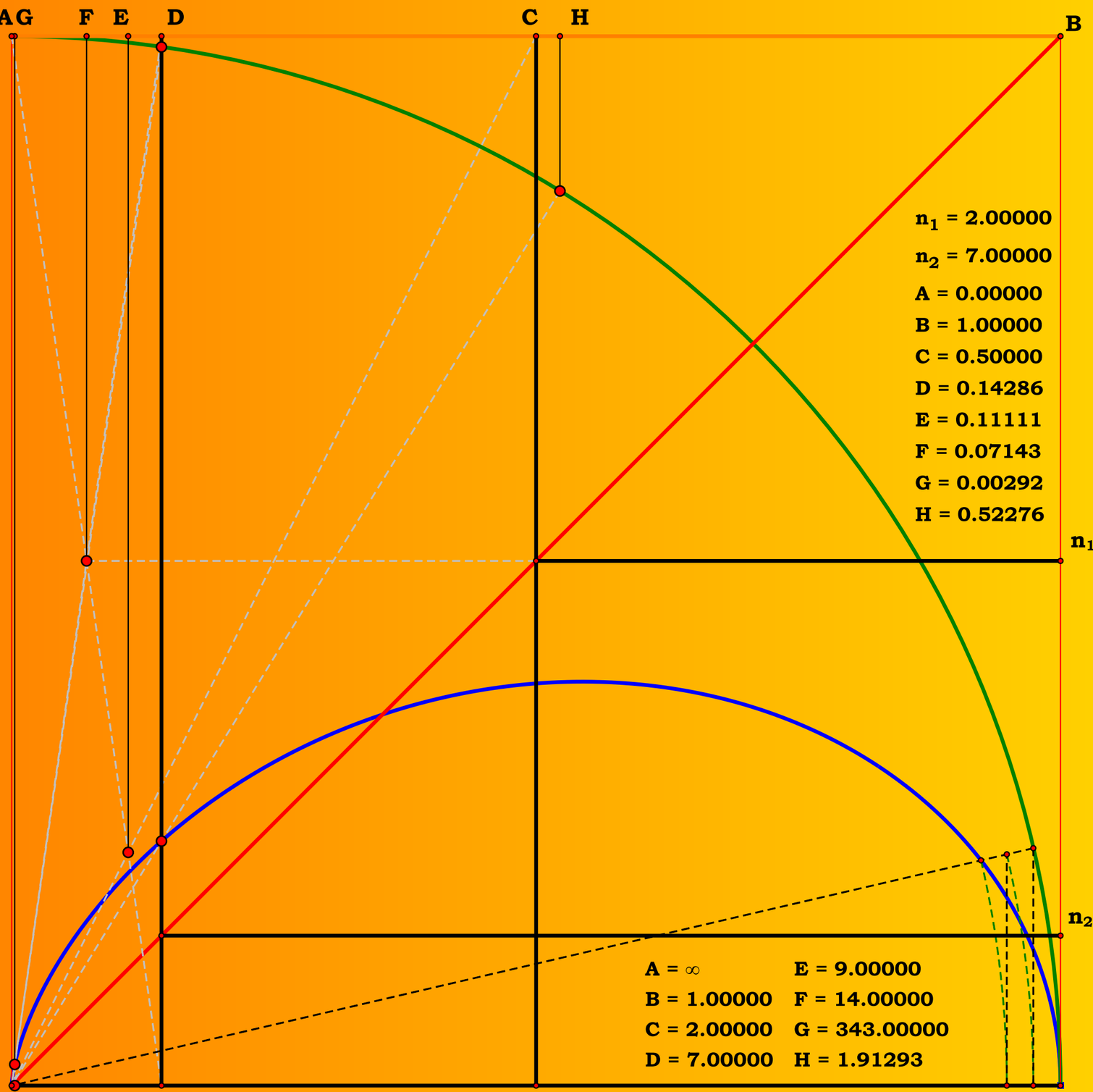
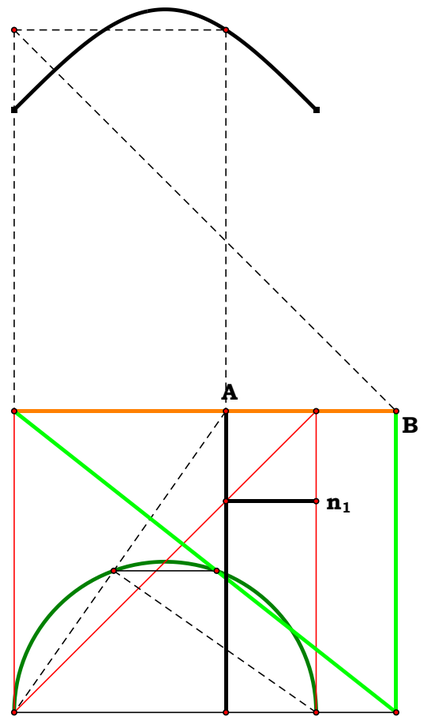


The One

3 Observatory

John Clark

3OBT1R0.docx



A = 0.70117

B = 1.26507

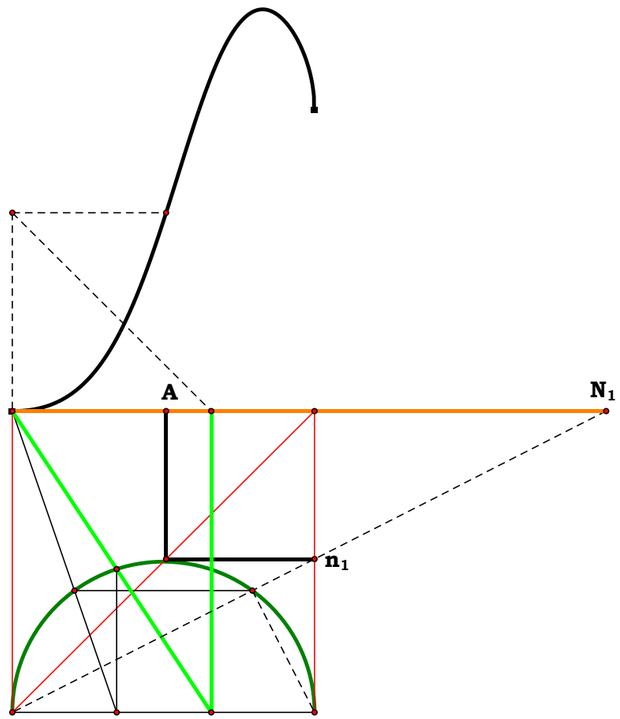
n_1 = 1.42619

$$\frac{1}{A^2 - A + 1} - B = 0.00000$$

$$\frac{{n_1}^2}{{n_1}^2 - n_1 + 1} - B = 0.00000$$

Unit = 1.00000

3OBT1R1.docx



Unit = 1.00000

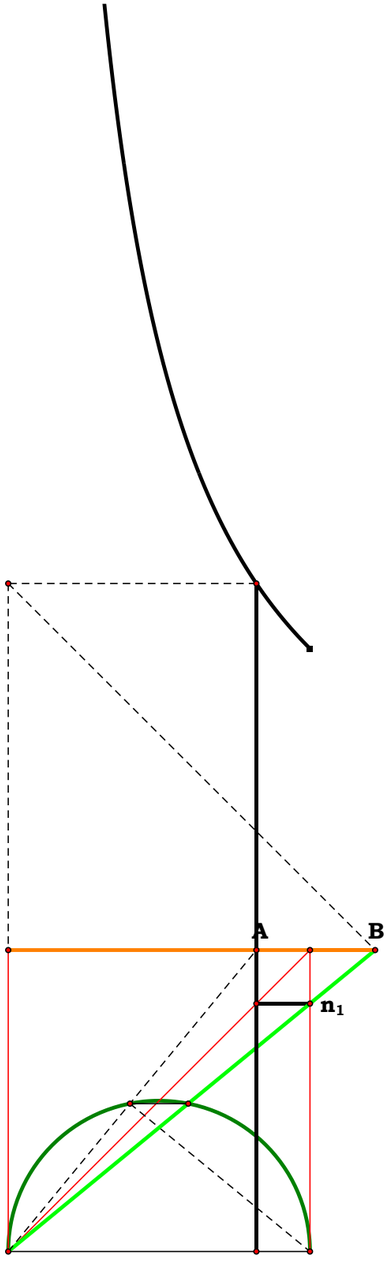
A = 0.50890

$n_1 = 1.96504$

$$\frac{A^2}{A^2 - A - A\cdot\sqrt{1 - A} + 1} = 0.65821$$

$$\frac{1}{n_1^2 - n_1 - \sqrt{n_1^2 - n_1} + 1} = 0.65821$$

3OBT1R2.docx



A = 0.82238

B = 1.21598

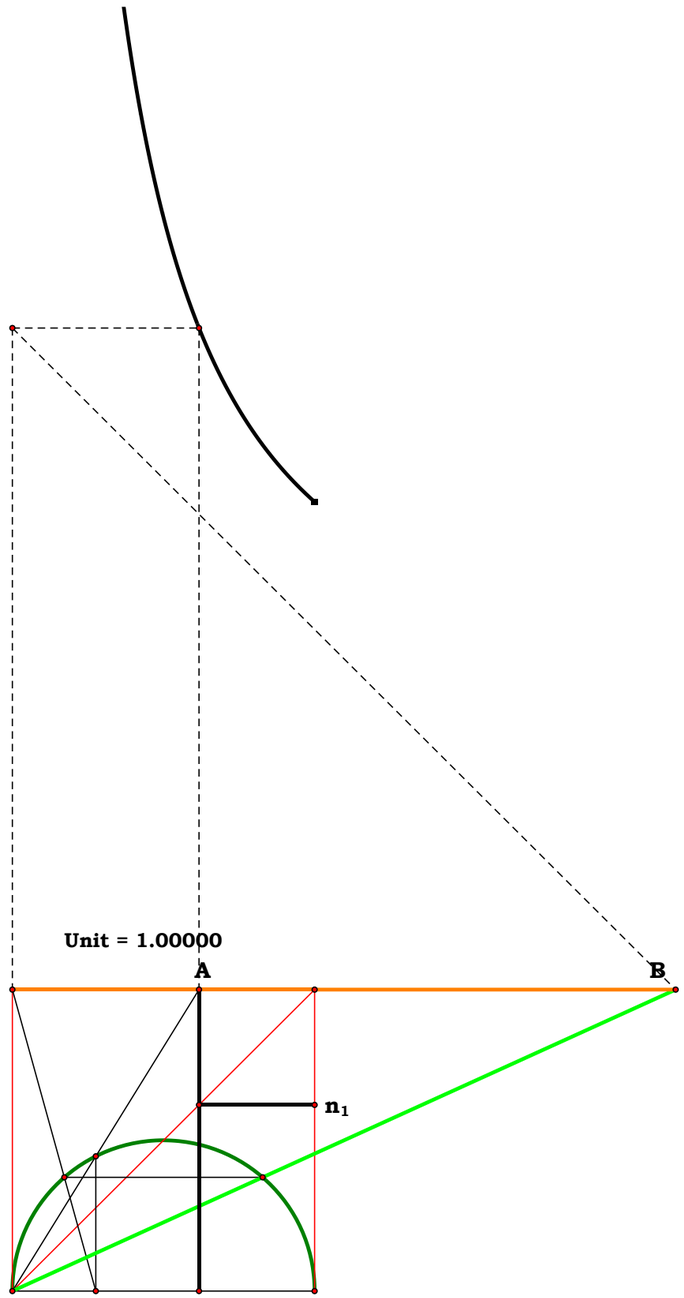
n_1 = 1.21598

$\frac{1}{A}$ − B = 0.00000

$\frac{n_1}{1}$ − B = 0.00000

Unit = 1.00000

3OBT1R3.docx



A = 0.61757

B = 2.19469

n_1 = 1.61925

Unit = 1.00000

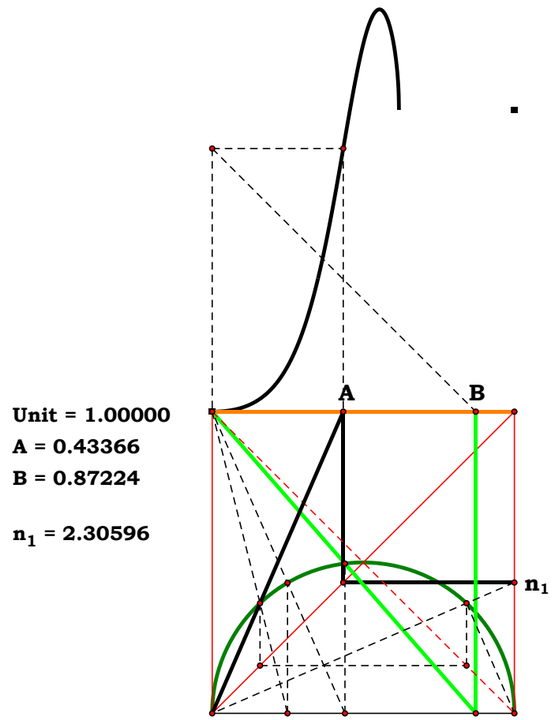
$$\frac{A}{\sqrt{1-A}} = 0.99864$$

$$\frac{1}{\sqrt{n_1^2 - n_1}} = 0.99864$$

$$\frac{1}{\sqrt{B^2 - B}} - A = 0.00000$$

$$\sqrt{B^2 - B} - n_1 = 0.00000$$

3OBT1R4.docx



Unit = 1.00000

A = 0.43366

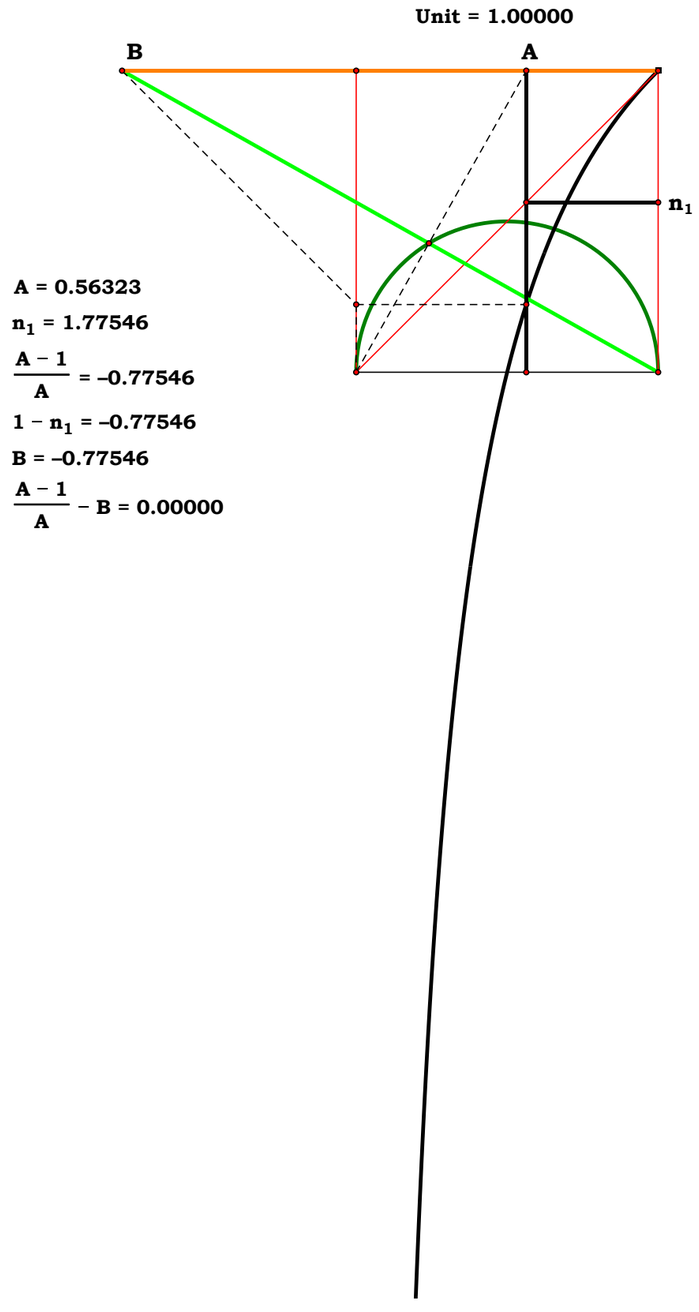
B = 0.87224

n_1 = 2.30596

$$\frac{A^2}{A^2 + 1 - A - A\cdot\sqrt{1 - A} - A\cdot\sqrt{1 - A\cdot\sqrt{1 - A} - A}} - B = 0.00000$$

$$\frac{1}{{n_1}^2 - n_1 + 1 - \sqrt{{n_1}^2 - n_1} - \sqrt{{n_1}^2 - n_1 - \sqrt{{n_1}^2 - n_1}}} - B = 0.00000$$

3OBT1R5.docx



A = 0.56323

n_1 = 1.77546

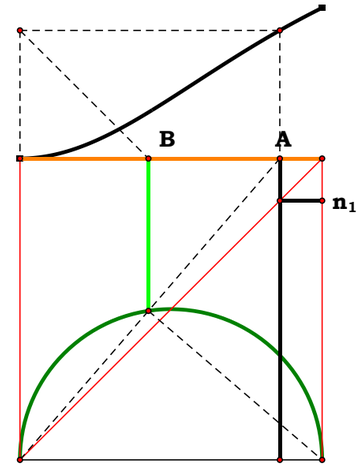
$$\frac{A-1}{A} = -0.77546$$

$1 - n_1 = -0.77546$

B = –0.77546

$$\frac{A-1}{A} - B = 0.00000$$

3OBT1R6.docx



$A = 0.86000$

$n_1 = 1.16279$

$B = 0.42516$

$$\frac{A^2}{A^2 + 1} - B = 0.00000$$

$$\frac{1}{{n_1}^2 + 1} - B = 0.00000$$

Unit = 1.00000

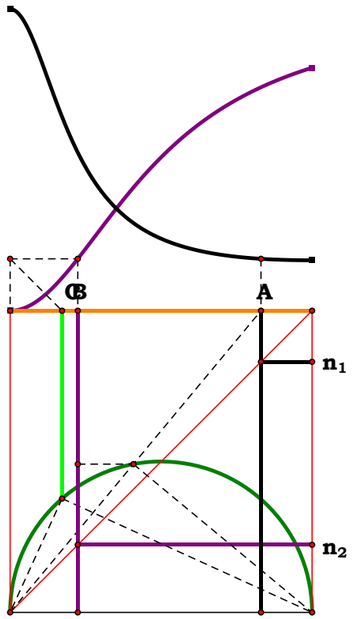
3OBT1R7.docx

A = 0.83074
B = 0.22407
C = 0.17206

n_1 = 1.20374
n_2 = 4.46290

$$\frac{B^2\cdot(A^2+1)^2}{A^4\cdot B^2+2\cdot A^2\cdot B^2+A^2+B^2}-C=0.00000$$

$$\frac{(n_1^2+1)^2}{n_1^4+n_1^2\cdot n_2^2+2\cdot n_1^2+1}-C=0.00000$$



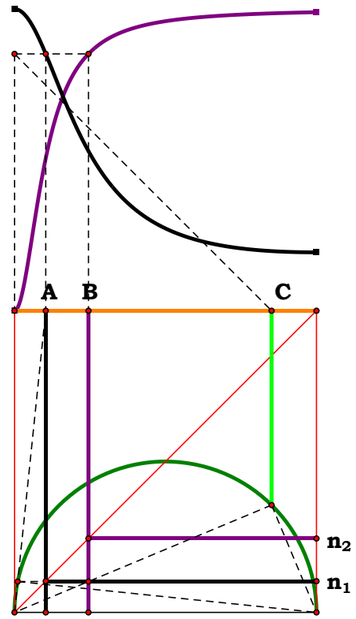
Unit = 1.00000

A = 0.10345
B = 0.24497
C = 0.85137

n_1 = 9.66638
n_2 = 4.08215

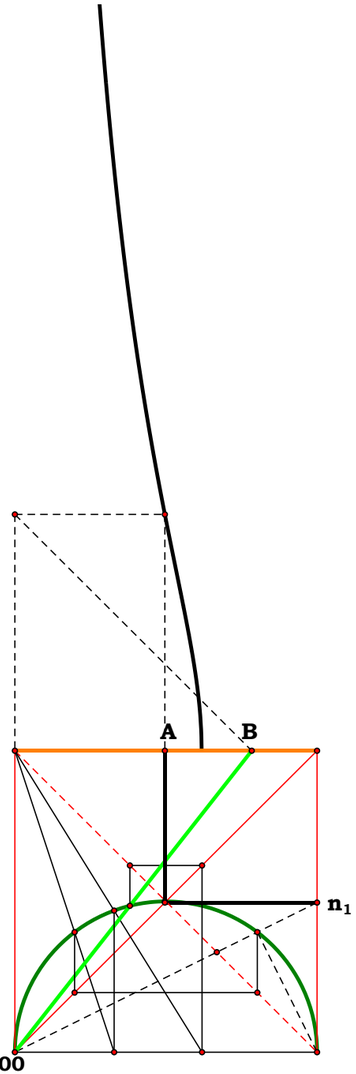
$$\frac{B^2\cdot(A^2+1)^2}{A^4\cdot B^2+2\cdot A^2\cdot B^2+A^2+B^2}-C=0.00000$$

$$\frac{(n_1^2+1)^2}{n_1^4+n_1^2\cdot n_2^2+2\cdot n_1^2+1}-C=0.00000$$



Unit = 1.00000

3OBT1R8.docx



Unit = 1.00000
A = 0.49636
B = 0.78389

$n_1 = 2.01468$

$$\frac{\sqrt{1 - A - A\cdot\sqrt{1 - A}}}{A} - B = 0.00000$$

$$\sqrt{n_1^2 - n_1} - \sqrt{n_1^2 - n_1} - B = 0.00000$$

Unit = 1.00000
A = 0.35424
B = 1.69633

$n_1 = 2.82293$

$$\frac{\sqrt{1 - A - A\cdot\sqrt{1 - A}}}{A} - B = 0.00000$$

$$\sqrt{n_1^2 - n_1} - \sqrt{n_1^2 - n_1} - B = 0.00000$$

3OBT1R9.docx

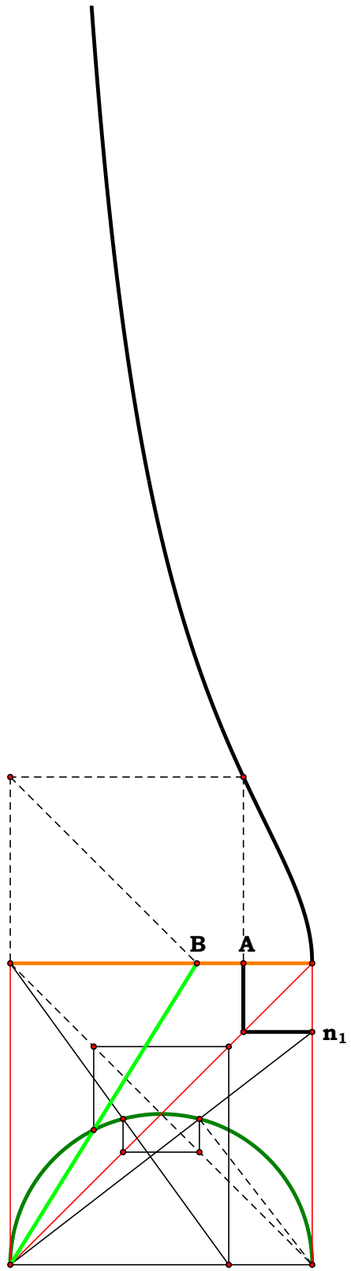
Unit = 1.00000
A = 0.77222
B = 0.61803

n_1 = 1.29496

x_j = 0.72361

$\frac{\sqrt{1-A}}{A} - B = 0.00000$

$\sqrt{n_1^2 - n_1} - B = 0.00000$



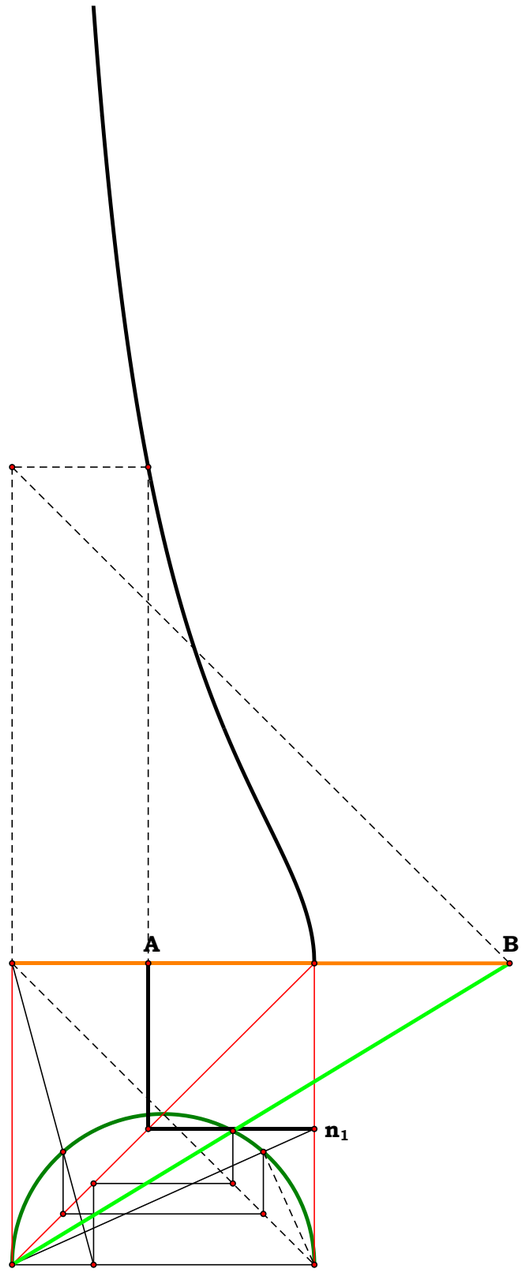
Unit = 1.00000
A = 0.45038
B = 1.64610

n_1 = 2.22036

x_j = 0.26957

$\frac{\sqrt{1-A}}{A} - B = 0.00000$

$\sqrt{n_1^2 - n_1} - B = 0.00000$



3OBT1R10.docx

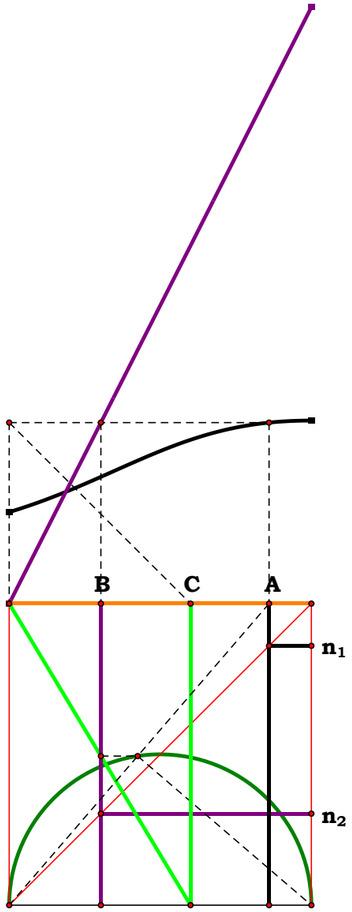
A = 0.86000
B = 0.30349
C = 0.60021

n_1 = 1.16279

n_2 = 3.29504

$$\frac{B\cdot(A^2+1)}{A^2-A+1} - C = 0.00000$$

$$\frac{{n_1}^2+1}{n_2\cdot({n_1}^2-n_1+1)} - C = 0.00000$$



Unit = 1.00000

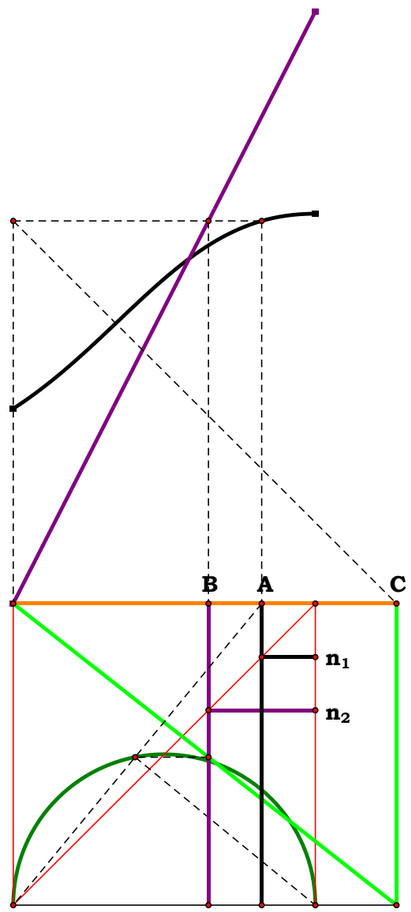
A = 0.82238
B = 0.64623
C = 1.26859

n_1 = 1.21598

n_2 = 1.54743

$$\frac{B\cdot(A^2+1)}{A^2-A+1} - C = 0.00000$$

$$\frac{{n_1}^2+1}{n_2\cdot({n_1}^2-n_1+1)} - C = 0.00000$$



Unit = 1.00000

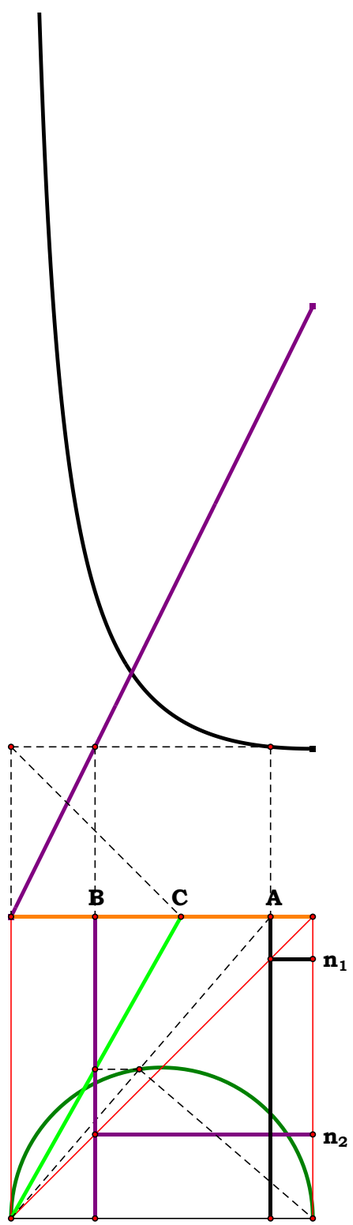
3OBT1R11.docx

A = 0.86000
B = 0.27841
C = 0.56316

n_1 = 1.16279
n_2 = 3.59186

$\frac{B\cdot(A^2+1)}{A} - C = 0.00000$

$\frac{n_1^2+1}{n_1\cdot n_2} - C = 0.00000$



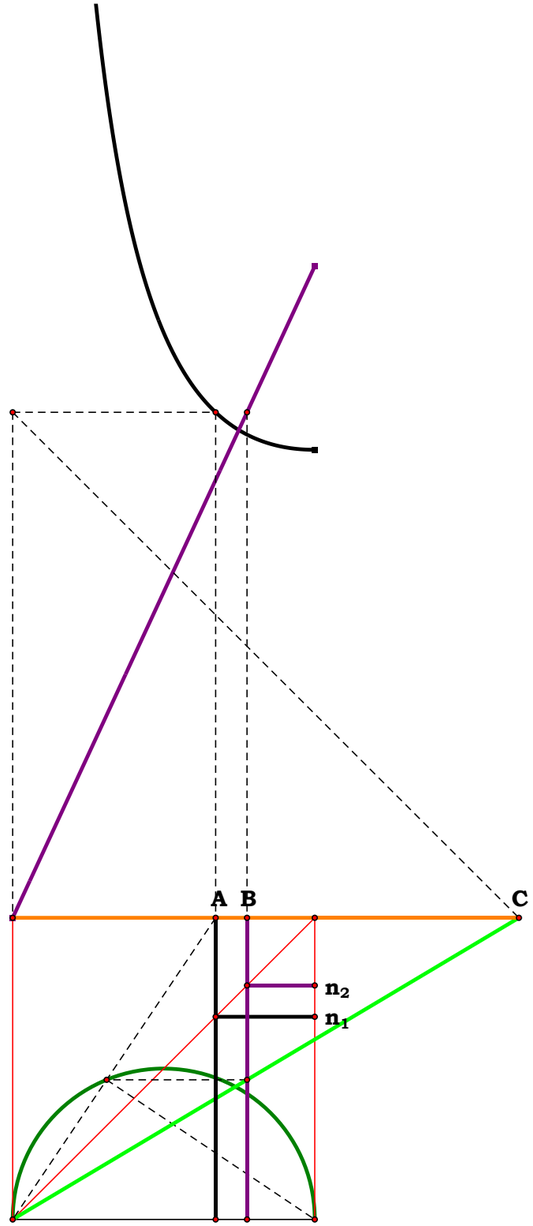
Unit = 1.00000

A = 0.67191
B = 0.77581
C = 1.67590

n_1 = 1.48830
n_2 = 1.28898

$\frac{B\cdot(A^2+1)}{A} - C = 0.00000$

$\frac{n_1^2+1}{n_1\cdot n_2} - C = 0.00000$



Unit = 1.00000

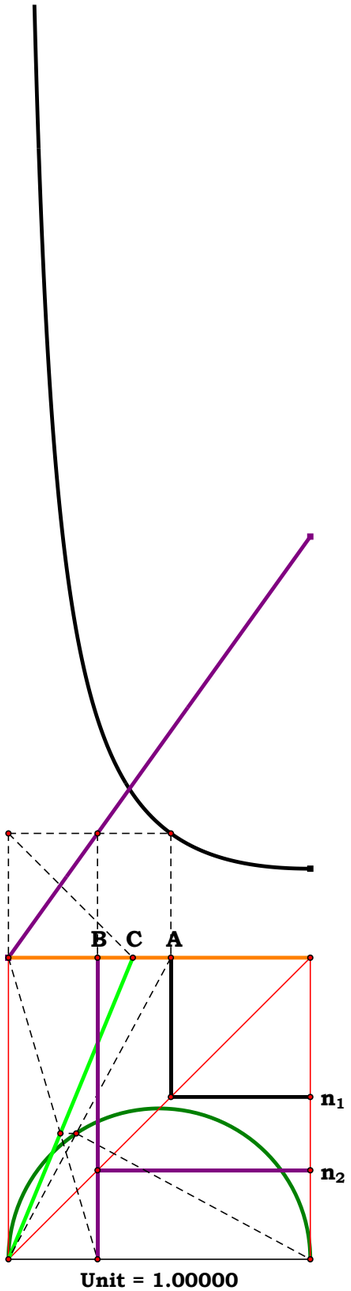
3OBT1R12.docx

A = 0.53815
B = 0.29513
C = 0.41210

n_1 = 1.85820
n_2 = 3.38837

$$\frac{B\cdot(A^2 - A + 1)}{A} - C = 0.00000$$

$$\frac{n_1^2 - n_1 + 1}{n_1\cdot n_2} - C = 0.00000$$



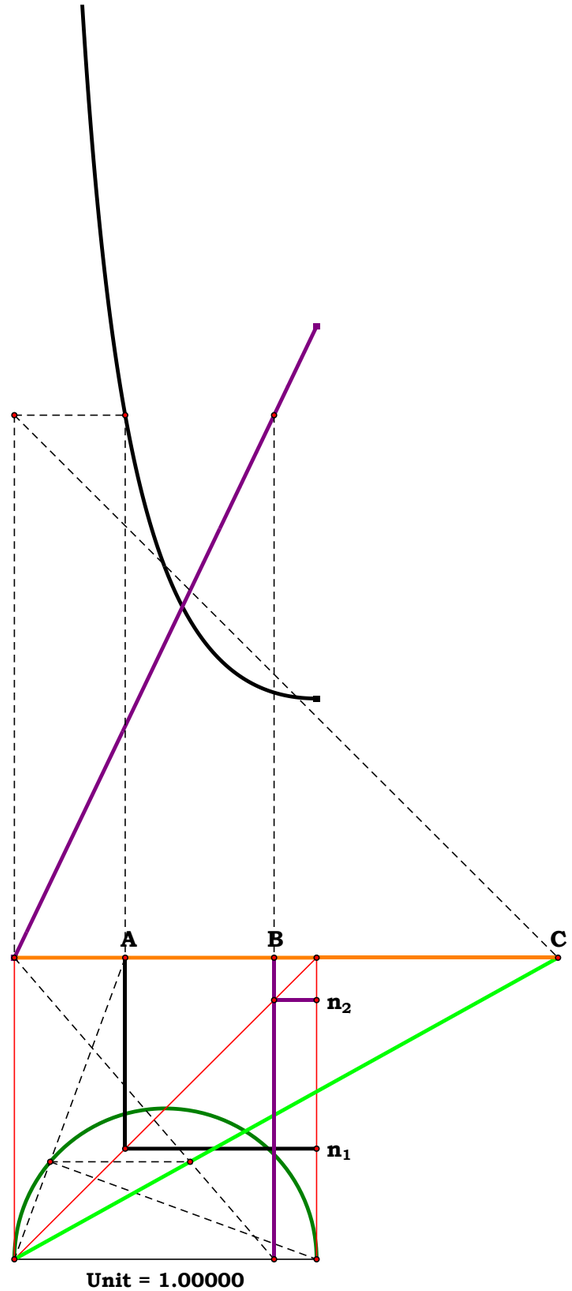
Unit = 1.00000

A = 0.36678
B = 0.85940
C = 1.79891

n_1 = 2.72642
n_2 = 1.16360

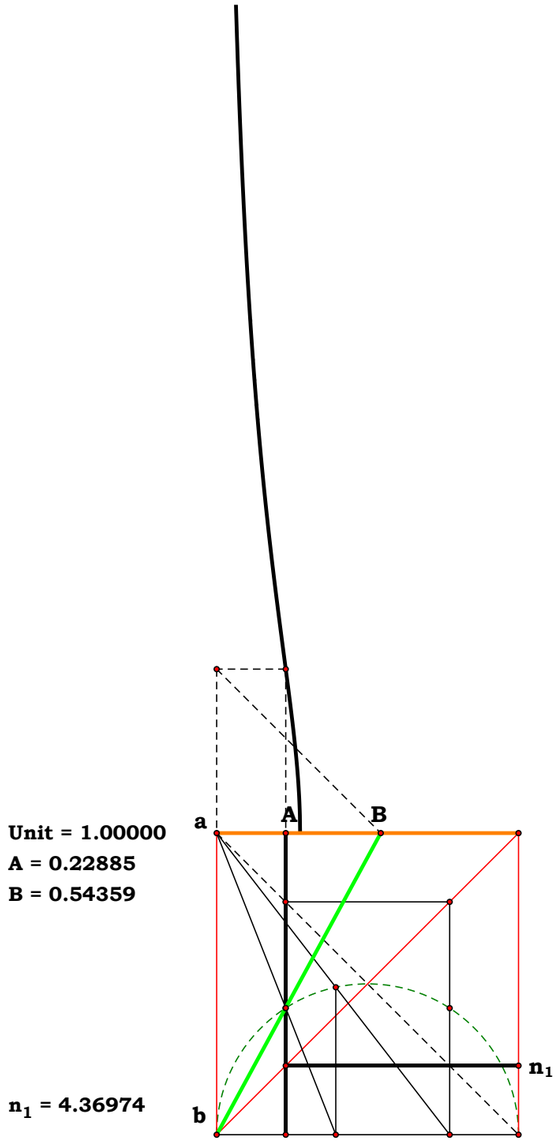
$$\frac{B\cdot(A^2 - A + 1)}{A} - C = 0.00000$$

$$\frac{n_1^2 - n_1 + 1}{n_1\cdot n_2} - C = 0.00000$$



Unit = 1.00000

3OBT1R13.docx



Unit = 1.00000
A = 0.22885
B = 0.54359

$n_1 = 4.36974$

$$\frac{\sqrt{1-A-\sqrt{A\cdot(1-A)}-\sqrt{A\cdot\left(1-\sqrt{A\cdot(1-A)}-A\right)}}}{\sqrt{A}}-B=0.00000$$

$$\sqrt{n_1-1-\sqrt{n_1-1}}-\sqrt{n_1-1-\sqrt{n_1-1}}-B-B=-0.54359$$

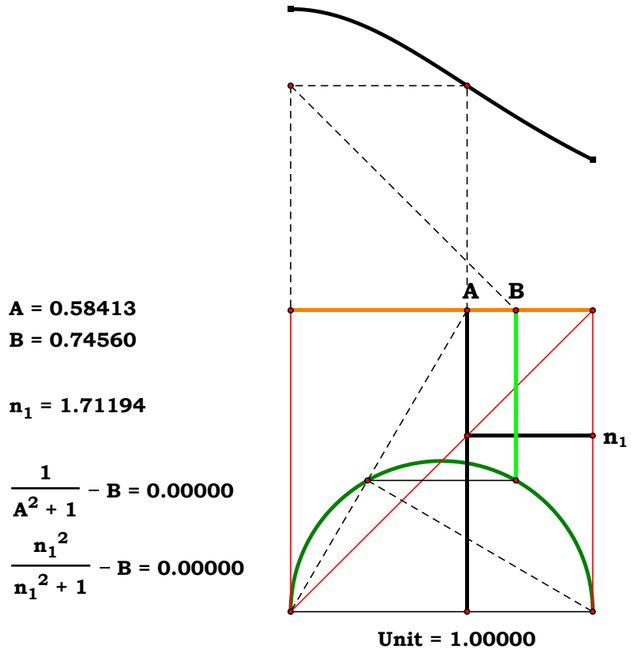
Unit = 1.00000
A = 0.13271
B = 1.40859

$n_1 = 7.53522$

$$\frac{\sqrt{1-A-\sqrt{A\cdot(1-A)}-\sqrt{A\cdot\left(1-\sqrt{A\cdot(1-A)}-A\right)}}}{\sqrt{A}}-B=0.00000$$

$$\sqrt{n_1-1-\sqrt{n_1-1}}-\sqrt{n_1-1-\sqrt{n_1-1}}-B-B=-1.40859$$

3OBT1R14.docx



Unit = 1.00000

A = 0.58413

B = 0.74560

n_1 = 1.71194

$$\frac{1}{A^2 + 1} - B = 0.00000$$

$$\frac{{n_1}^2}{{n_1}^2 + 1} - B = 0.00000$$

3OBT1R15.docx

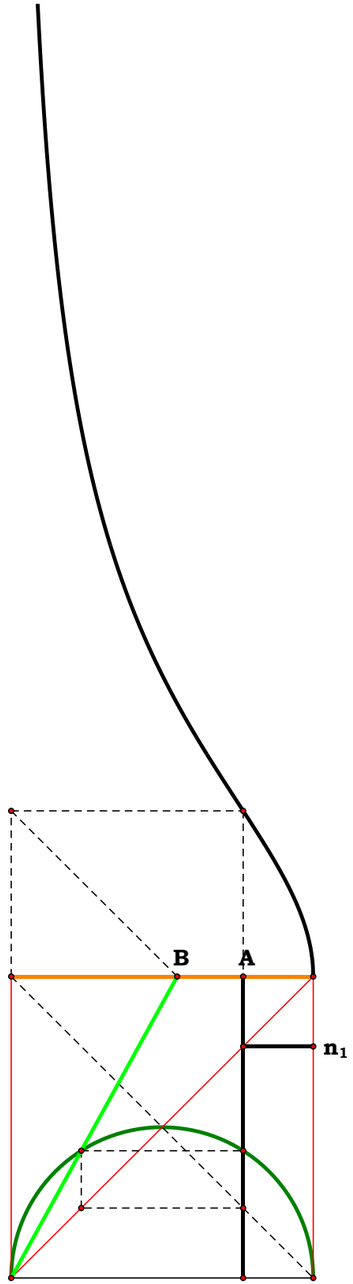
A = 0.76804

B = 0.54955

n_1 = 1.30201

$$\frac{1 - A}{\sqrt{A - A^2}} - B = 0.00000$$

$$\frac{\sqrt{n_1^2 \cdot (n_1 - 1)}}{n_1} - B = 0.00000$$



Unit = 1.00000

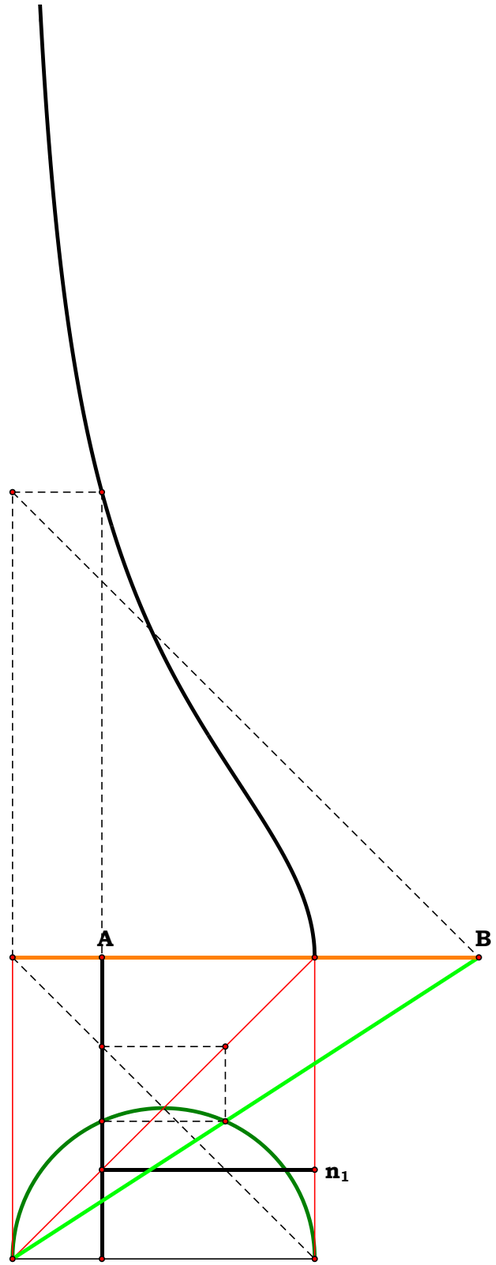
A = 0.29572

B = 1.54322

n_1 = 3.38154

$$\frac{1 - A}{\sqrt{A - A^2}} - B = 0.00000$$

$$\frac{\sqrt{n_1^2 \cdot (n_1 - 1)}}{n_1} - B = 0.00000$$



Unit = 1.00000

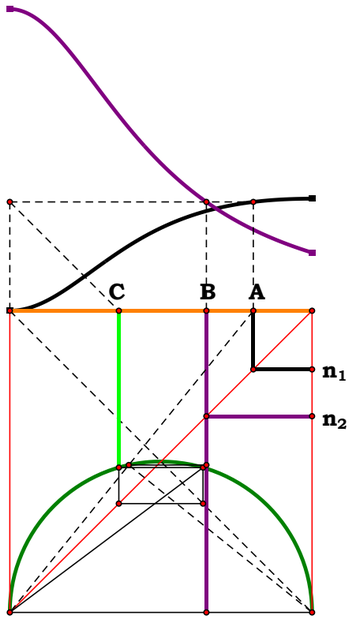
3OBT2R0.docx

Unit = 1.00000
A = 0.80566
B = 0.65041
C = 0.36070

n_1 = 1.24121
n_2 = 1.53749

$$\frac{A^2}{A^4 \cdot B^2 + 2 \cdot A^2 \cdot B^2 + A^2 + B^2} - C = 0.00000$$

$$\frac{n_1^2 \cdot n_2^2}{n_1^4 + n_1^2 \cdot n_2^2 + 2 \cdot n_1^2 + 1} - C = 0.00000$$

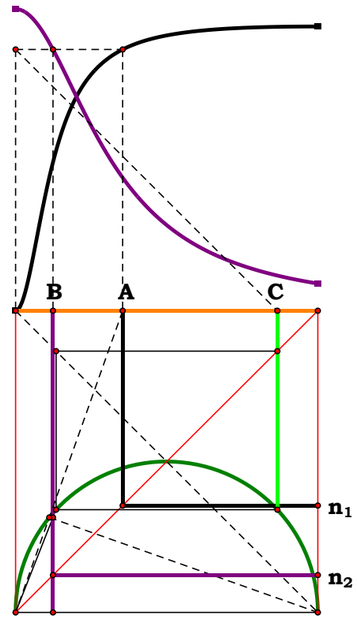


Unit = 1.00000
A = 0.35424
B = 0.12375
C = 0.86610

n_1 = 2.82293
n_2 = 8.08057

$$\frac{A^2}{A^4 \cdot B^2 + 2 \cdot A^2 \cdot B^2 + A^2 + B^2} - C = 0.00000$$

$$\frac{n_1^2 \cdot n_2^2}{n_1^4 + n_1^2 \cdot n_2^2 + 2 \cdot n_1^2 + 1} - C = 0.00000$$



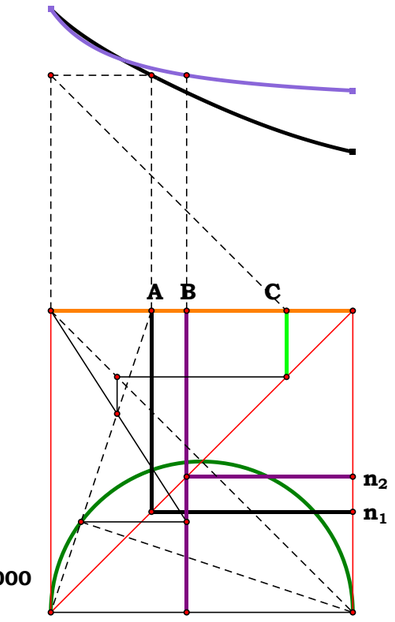
3OBT2R1.docx

Unit = 1.00000
A = 0.33334
B = 0.44978
C = 0.78052

n_1 = 2.99992
n_2 = 2.22331

$$\frac{(1-B)\cdot(A^3-A^2+A)+B}{A^3-(1-B)\cdot A^2+A+B}-C=0.00000$$

$$\frac{n_1+n_2-1+n_1\cdot(n_1-1)\cdot(n_1+n_2)}{n_2\cdot({n_1}^2-n_1+1)+n_1\cdot({n_1}^2+1)}-C=0.00000$$



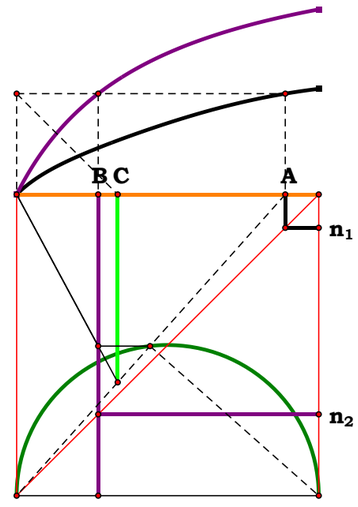
3OBT02R2.docx

$A = 0.88926$
$B = 0.27005$
$C = 0.33459$

$n_1 = 1.12453$
$n_2 = 3.70305$

$$\frac{A \cdot B + A^3 \cdot B}{A + A^3 - A^2 + B + A^2 \cdot B} - C = 0.00000$$

$$\frac{{n_1}^2 + 1}{\left({n_1}^2 + 1\right) \cdot \left(n_1 + n_2\right) - n_1 \cdot n_2} - C = 0.00000$$



Unit = 1.00000

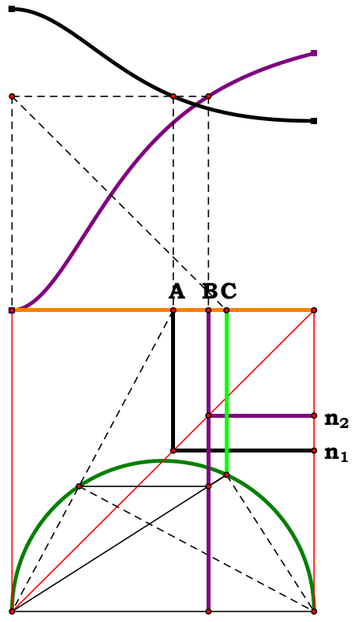
3OBT2R3.docx

A = 0.53397
B = 0.65041
C = 0.71018

n_1 = 1.87275
n_2 = 1.53749

$$\frac{B^2\cdot(A^2+1)^2}{A^4\cdot B^2+2\cdot A^2\cdot B^2+A^2+B^2}-C=0.00000$$

$$\frac{(n_1{}^2+1)^2}{n_1{}^4+(n_1\cdot n_2)^2+2\cdot n_1{}^2+1}-C=0.00000$$



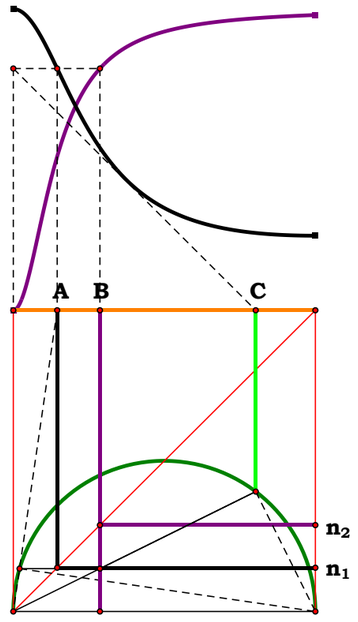
Unit = 1.00000

A = 0.14525
B = 0.28677
C = 0.80253

n_1 = 6.88470
n_2 = 3.48715

$$\frac{B^2\cdot(A^2+1)^2}{A^4\cdot B^2+2\cdot A^2\cdot B^2+A^2+B^2}-C=0.00000$$

$$\frac{(n_1{}^2+1)^2}{n_1{}^4+(n_1\cdot n_2)^2+2\cdot n_1{}^2+1}-C=0.00000$$



Unit = 1.00000

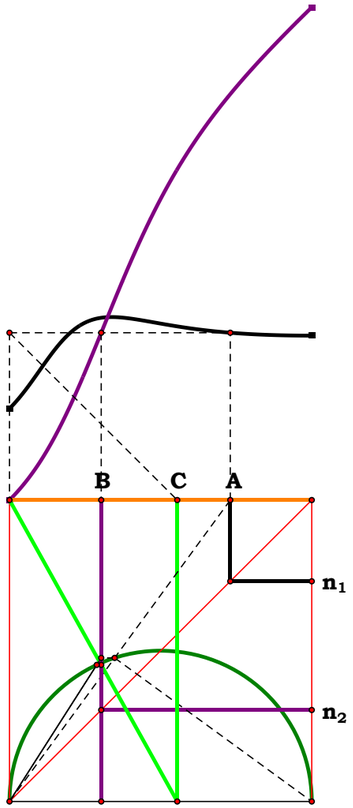
3OBT2R4.docx

Unit = 1.00000
A = 0.73043
B = 0.30349
C = 0.55501

n_1 = 1.36906
n_2 = 3.29504

$$\frac{B^3\cdot(A^2+1)^2+A^2\cdot B}{B\cdot(A^2+1)\cdot(A^2\cdot B-A+B)+A^2}-C=0.00000$$

$$\frac{n_1^2\cdot(n_1^2+n_2^2)+2\cdot n_1^2+1}{n_1^2\cdot n_2^3+n_2\cdot(n_1^2+1)\cdot(n_1^2-n_1\cdot n_2+1)}-C=0.00000$$

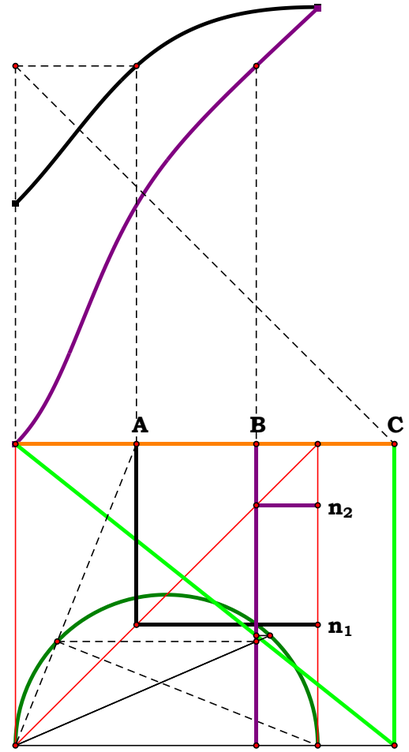


Unit = 1.00000
A = 0.40022
B = 0.79671
C = 1.25392

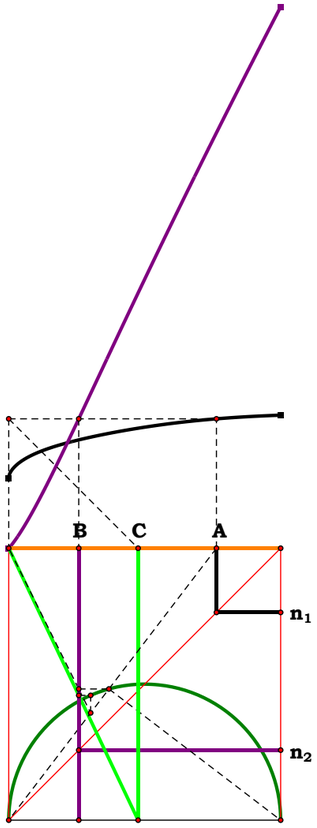
n_1 = 2.49863
n_2 = 1.25517

$$\frac{B^3\cdot(A^2+1)^2+A^2\cdot B}{B\cdot(A^2+1)\cdot(A^2\cdot B-A+B)+A^2}-C=0.00000$$

$$\frac{n_1^2\cdot(n_1^2+n_2^2)+2\cdot n_1^2+1}{n_1^2\cdot n_2^3+n_2\cdot(n_1^2+1)\cdot(n_1^2-n_1\cdot n_2+1)}-C=0.00000$$



3OBT2R5.docx



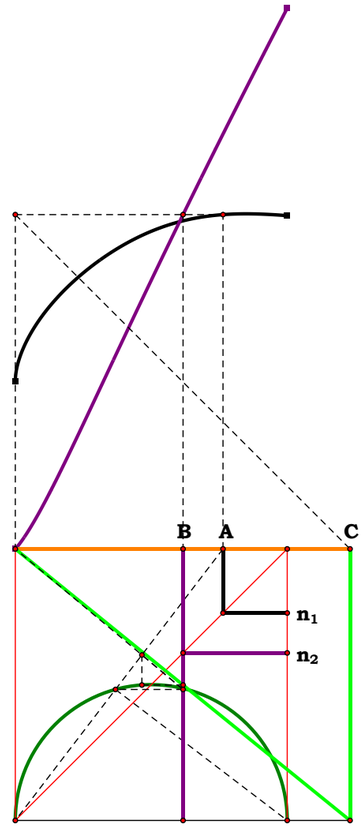
A = 0.76386
B = 0.25751
C = 0.47582

n_1 = 1.30913
n_2 = 3.88337

Unit = 1.00000

$$\frac{B\cdot(A + B + A^2\cdot B - A^2 + A^3)}{A + B + A^2\cdot B - A^2 + A^3 - \sqrt{A\cdot B\cdot(A^2 + 1)\cdot(A + B + A^2\cdot B - A^3\cdot B - A^2 + A^3 - A\cdot B)}} - C = 0.00000$$

$$\frac{{n_1}^3 + {n_1}^2\cdot n_2 + n_1 - n_1\cdot n_2 + n_2}{n_2\cdot({n_1}^3 + n_2\cdot({n_1}^2 - n_1 + 1)) + n_1 - \sqrt{(n_1 + n_2)\cdot({n_1}^4 - {n_1}^3 + 2\cdot{n_1}^2 + 1) - (2\cdot{n_1}^2 + n_1\cdot n_2 + 1)}} - C = 0.00000$$



A = 0.76386
B = 0.61697
C = 1.23102

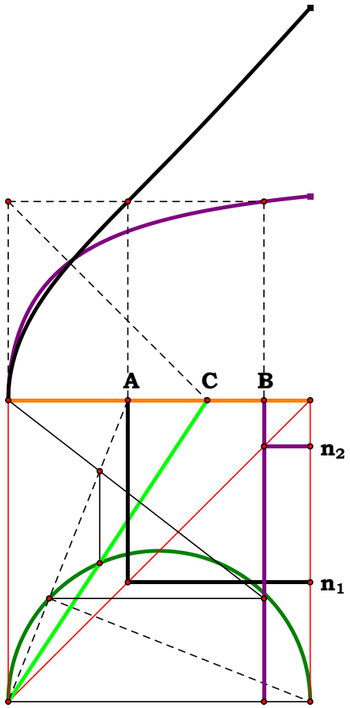
n_1 = 1.30913
n_2 = 1.62081

Unit = 1.00000

$$\frac{B\cdot(A + B + A^2\cdot B - A^2 + A^3)}{A + B + A^2\cdot B - A^2 + A^3 - \sqrt{A\cdot B\cdot(A^2 + 1)\cdot(A + B + A^2\cdot B - A^3\cdot B - A^2 + A^3 - A\cdot B)}} - C = 0.00000$$

$$\frac{{n_1}^3 + {n_1}^2\cdot n_2 + n_1 - n_1\cdot n_2 + n_2}{n_2\cdot({n_1}^3 + n_2\cdot({n_1}^2 - n_1 + 1)) + n_1 - \sqrt{(n_1 + n_2)\cdot({n_1}^4 - {n_1}^3 + 2\cdot{n_1}^2 + 1) - (2\cdot{n_1}^2 + n_1\cdot n_2 + 1)}} - C = 0.00000$$

3OBT2R6.docx



$A = 0.39604$

$B = 0.84686$

$C = 0.65915$

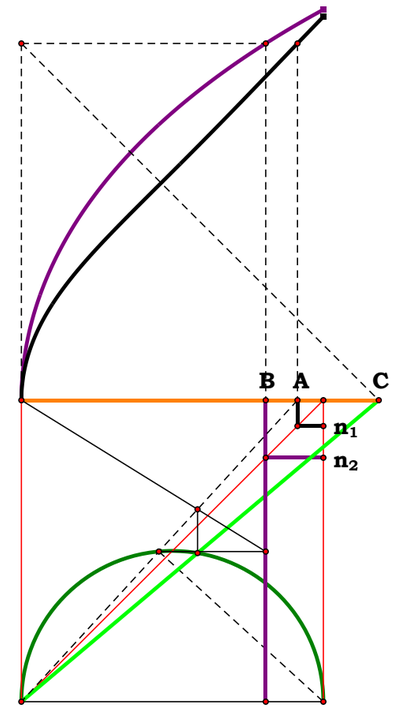
$n_1 = 2.52500$

$n_2 = 1.18083$

Unit = 1.00000

$$\frac{A \cdot B \cdot (A^2 + 1)}{\sqrt{A \cdot B \cdot (A^2 + 1) \cdot (A + B + A^2 \cdot B - A^3 \cdot B - A^2 + A^3 - A \cdot B)}} - C = 0.00000$$

$$\frac{n_1^2 + 1}{\sqrt{(n_1^2 + 1) \cdot ((n_1^2 - n_1 + 1) \cdot (n_1 + n_2) - 1)}} - C = 0.00000$$



$A = 0.91434$

$B = 0.80925$

$C = 1.18344$

$n_1 = 1.09369$

$n_2 = 1.23572$

Unit = 1.00000

$$\frac{A \cdot B \cdot (A^2 + 1)}{\sqrt{A \cdot B \cdot (A^2 + 1) \cdot (A + B + A^2 \cdot B - A^3 \cdot B - A^2 + A^3 - A \cdot B)}} - C = 0.00000$$

$$\frac{n_1^2 + 1}{\sqrt{(n_1^2 + 1) \cdot ((n_1^2 - n_1 + 1) \cdot (n_1 + n_2) - 1)}} - C = 0.00000$$

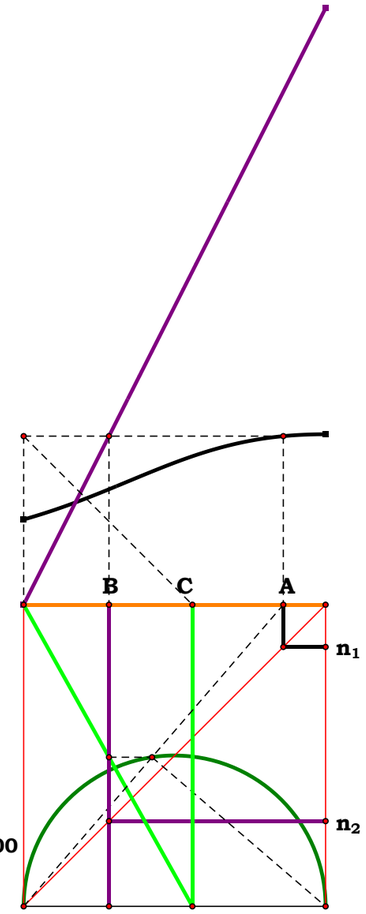
3OBT2R7.docx

A = 0.86000
B = 0.28259
C = 0.55888

n_1 = 1.16279
n_2 = 3.53873

$$\frac{A^2 \cdot B + B}{A^2 - A + 1} - C = 0.00000$$

$$\frac{{n_1}^2 + 1}{n_2 \cdot \left({n_1}^2 - n_1 + 1\right)} - C = 0.00000$$



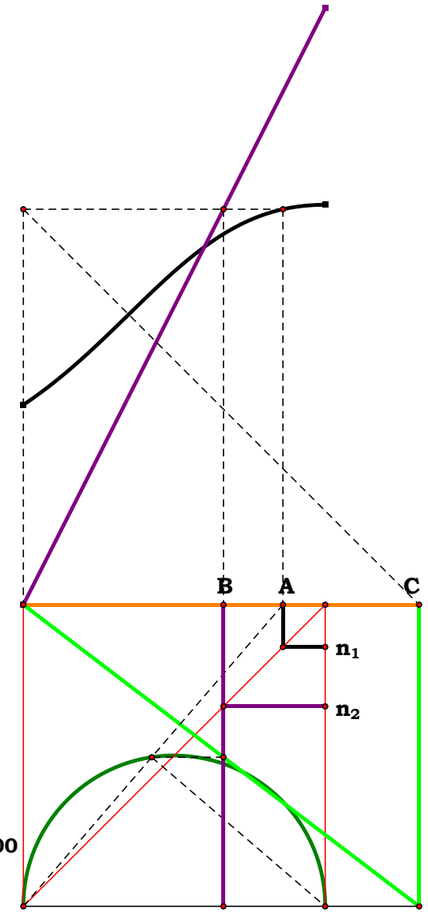
Unit = 1.00000

A = 0.86000
B = 0.66295
C = 1.31113

n_1 = 1.16279
n_2 = 1.50841

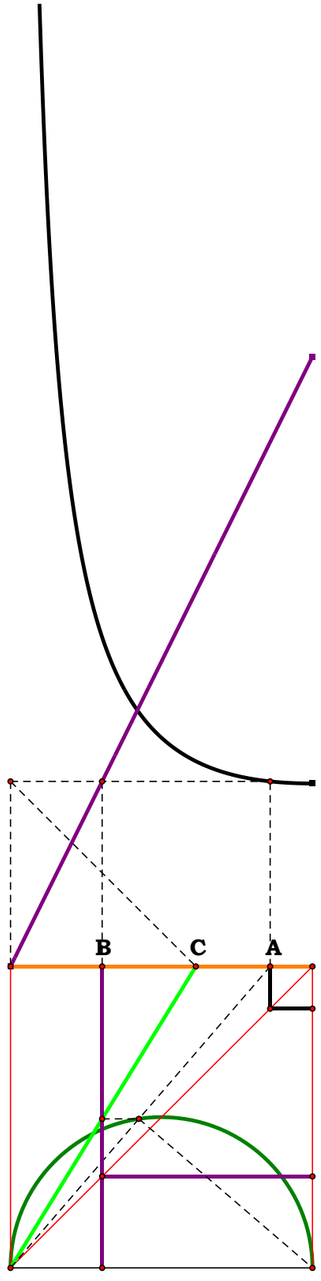
$$\frac{A^2 \cdot B + B}{A^2 - A + 1} - C = 0.00000$$

$$\frac{{n_1}^2 + 1}{n_2 \cdot \left({n_1}^2 - n_1 + 1\right)} - C = 0.00000$$



Unit = 1.00000

3OBT2R8.docx



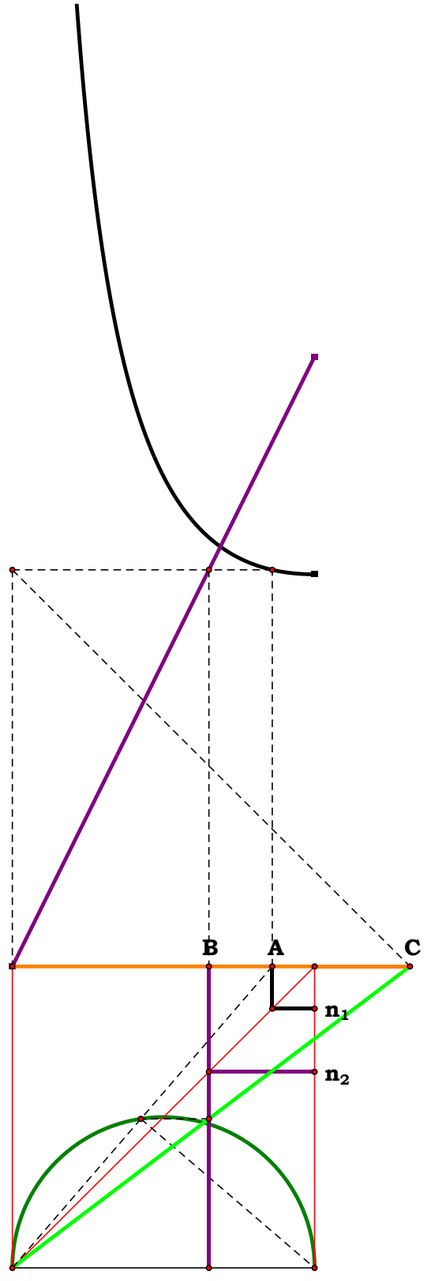
A = 0.86000
B = 0.30349
C = 0.61389

n_1 = 1.16279
n_2 = 3.29504

$$\frac{A^2 \cdot B + B}{A} - C = 0.00000$$

$$\frac{n_1^2 + 1}{n_1 \cdot n_2} - C = 0.00000$$

Unit = 1.00000



A = 0.86000
B = 0.65041
C = 1.31565

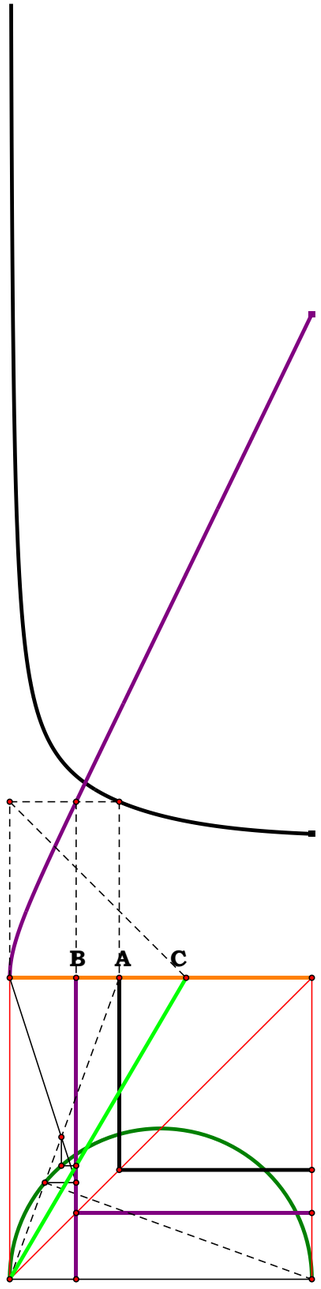
n_1 = 1.16279
n_2 = 1.53749

$$\frac{A^2 \cdot B + B}{A} - C = 0.00000$$

$$\frac{n_1^2 + 1}{n_1 \cdot n_2} - C = 0.00000$$

Unit = 1.00000

3OBT2R9.docx



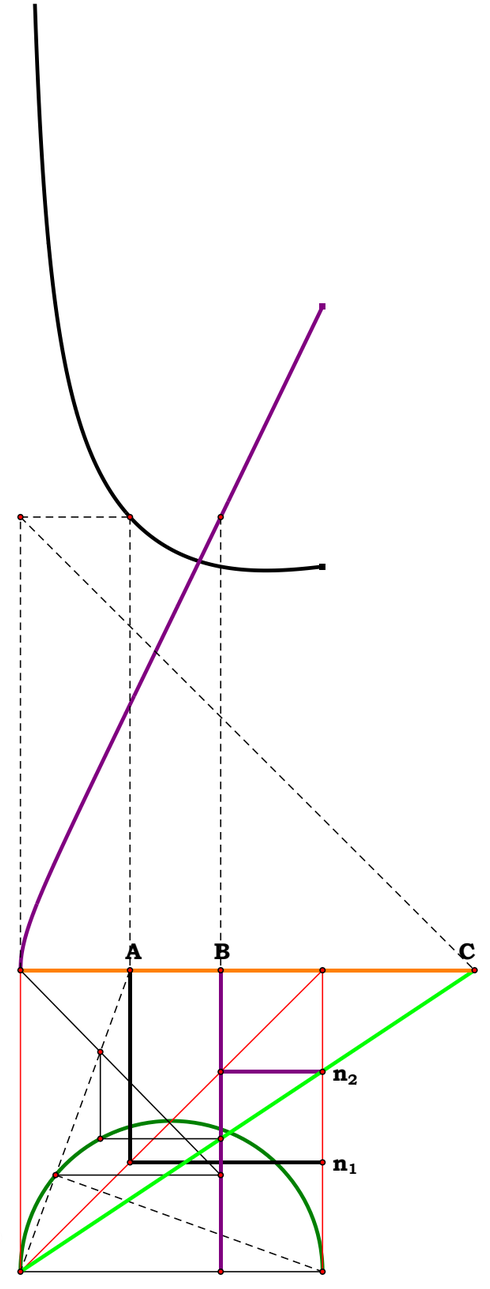
$A = 0.36260$
$B = 0.21989$
$C = 0.58403$

$n_1 = 2.75785$
$n_2 = 4.54773$

$$\frac{B^2\cdot(A^2+1)+B\cdot(A^3-A^2+A)}{\sqrt{A\cdot B\cdot(A^2+1)\cdot((1-B)\cdot(A^3-A^2+A)+B)}}-C=0.00000$$

$$\frac{{n_1}^3+{n_1}^2\cdot n_2+n_1-n_1\cdot n_2+n_2}{n_2\cdot\sqrt{({n_1}^2+1)\cdot({n_1}^3+(n_2-1)\cdot({n_1}^2-n_1+1))}}-C=0.00000$$

Unit = 1.00000



$A = 0.36260$
$B = 0.66295$
$C = 1.50334$

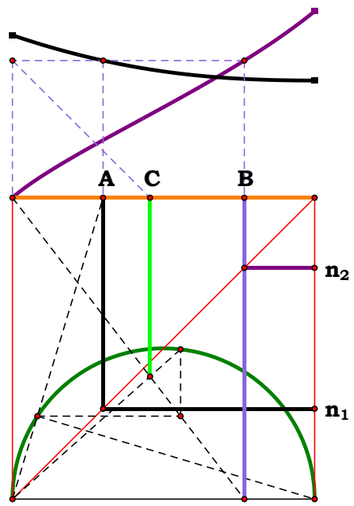
$n_1 = 2.75785$
$n_2 = 1.50841$

$$\frac{B^2\cdot(A^2+1)+B\cdot(A^3-A^2+A)}{\sqrt{A\cdot B\cdot(A^2+1)\cdot((1-B)\cdot(A^3-A^2+A)+B)}}-C=0.00000$$

$$\frac{{n_1}^3+{n_1}^2\cdot n_2+n_1-n_1\cdot n_2+n_2}{n_2\cdot\sqrt{({n_1}^2+1)\cdot({n_1}^3+(n_2-1)\cdot({n_1}^2-n_1+1))}}-C=0.00000$$

Unit = 1.00000

3OBT3R0.docx



A = 0.29990
B = 0.76745
C = 0.45535

n_1 = 3.33441
n_2 = 1.30302

Unit = 1.00000

$$\frac{B\cdot\left(A^2 - A + 1\right)}{A^2 - A + 1 + \sqrt{B\cdot\left(A^2 - A + 1\right)\cdot\left(A^2 - A^2\cdot B - B + A\cdot B + 1\right)}} - C = 0.00000$$

$$n_1{}^2 - n_1 + 1$$

$$\frac{}{n_2\cdot\left(n_1{}^2 - n_1 + 1\right) + \sqrt{\left(n_1{}^2 - n_1 + 1\right)\cdot\left(n_1{}^2\cdot\left(n_2 - 1\right) + n_1 + n_2 - 1\right)}} - C = 0.00000$$

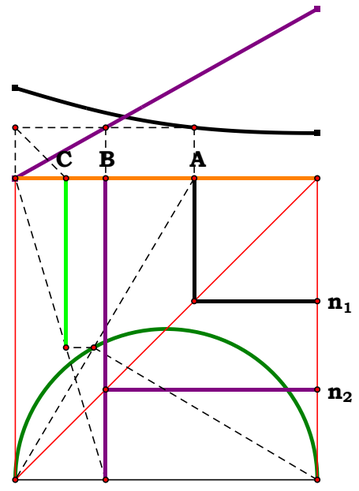
3OBT3R1.docx

A = 0.59249
B = 0.29931
C = 0.16805

n_1 = 1.68779
n_2 = 3.34106

$$\frac{A^2 \cdot B - A \cdot B + B}{A^2 + 1} - C = 0.00000$$

$$\frac{{n_1}^2 - n_1 + 1}{n_2 \cdot \left({n_1}^2 + 1\right)} - C = 0.00000$$



Unit = 1.00000

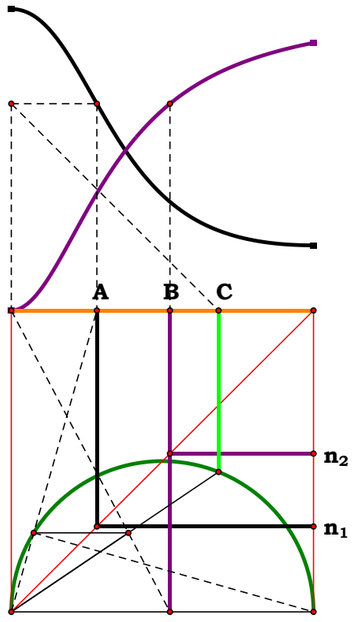
3OBT3R2.docx

Unit = 1.00000
A = 0.28318
B = 0.52502
C = 0.68587

$n_1 = 3.53127$
$n_2 = 1.90470$

$$\frac{A \cdot B^2 \cdot (A - 1) \cdot \left(A^2 - A + 2\right) + B^2}{A \cdot B^2 \cdot (A - 1) \cdot \left(A^2 - A + 2\right) + A^2 + B^2} - C = 0.00000$$

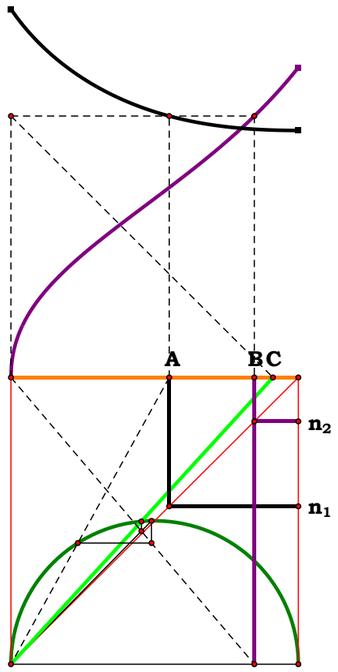
$$\frac{\left(n_1{}^2 - n_1 + 1\right)^2}{n_1{}^2 \cdot n_2{}^2 + 1 + n_1 \cdot \left(n_1 - 1\right) \cdot \left(n_1{}^2 - n_1 + 2\right)} - C = 0.00000$$



3OBT2R3.docx

A = 0.55069
B = 0.84686
C = 0.91172

n_1 = 1.81589
n_2 = 1.18083



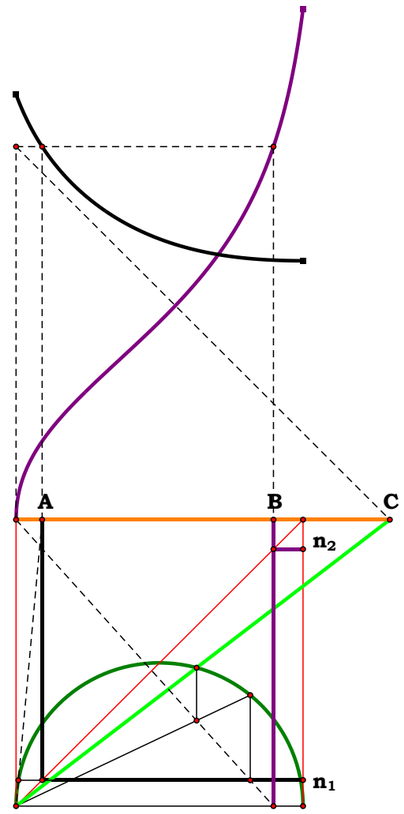
Unit = 1.00000

$$\frac{B\cdot(A^2 - A + 1)}{\sqrt{B\cdot(A^2 - A + 1)\cdot\left(\sqrt{B\cdot(A^2 - A + 1)\cdot(A^2 - A^2\cdot B - B + A\cdot B + 1)} - B - A^2\cdot B - A + A^2 + A\cdot B + 1\right)}} - C = 0.00000$$

$$\frac{n_1^2 - n_1 + 1}{\sqrt{(n_1^2 - n_1 + 1)\cdot\left(\sqrt{(n_1^2 - n_1 + 1)\cdot(n_1^2\cdot n_2 - n_1^2 + n_1 - 1 + n_2)} + (n_1^2 - n_1 + 1)\cdot(n_2 - 1)\right)}} - C = 0.00000$$

A = 0.09091
B = 0.89702
C = 1.30251

n_1 = 10.99966
n_2 = 1.11480

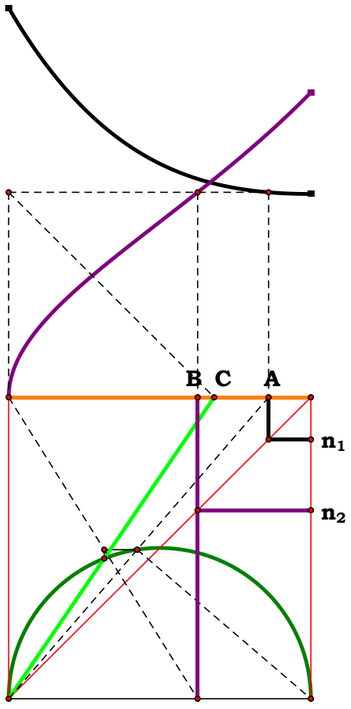


Unit = 1.00000

$$\frac{B\cdot(A^2 - A + 1)}{\sqrt{B\cdot(A^2 - A + 1)\cdot\left(\sqrt{B\cdot(A^2 - A + 1)\cdot(A^2 - A^2\cdot B - B + A\cdot B + 1)} - B - A^2\cdot B - A + A^2 + A\cdot B + 1\right)}} - C = 0.00000$$

$$\frac{n_1^2 - n_1 + 1}{\sqrt{(n_1^2 - n_1 + 1)\cdot\left(\sqrt{(n_1^2 - n_1 + 1)\cdot(n_1^2\cdot n_2 - n_1^2 + n_1 - 1 + n_2)} + (n_1^2 - n_1 + 1)\cdot(n_2 - 1)\right)}} - C = 0.00000$$

3OBT3R4.docx



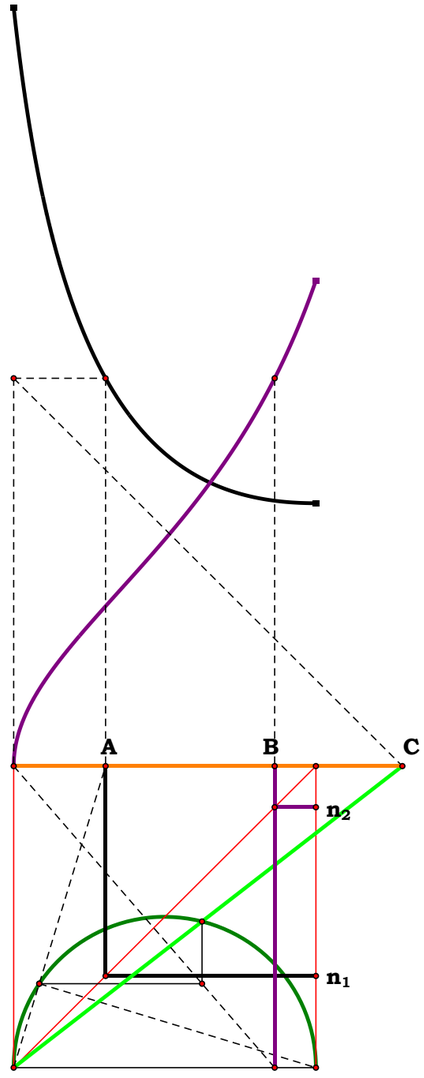
A = 0.86000
B = 0.62533
C = 0.68000

n_1 = 1.16279
n_2 = 1.59915

Unit = 1.00000

$$\frac{B\cdot(A^2 - A + 1)}{\sqrt{B\cdot(A^2 - A + 1)\cdot(A^2 - A^2\cdot B - B + A\cdot B + 1)}} - C = 0.00000$$

$$\frac{n_1^2 - n_1 + 1}{\sqrt{(n_1^2 - n_1 + 1)\cdot(n_1 + n_2 - n_1^2 + n_1^2\cdot n_2 - 1)}} - C = 0.00000$$



A = 0.30408
B = 0.86358
C = 1.28608

n_1 = 3.28857
n_2 = 1.15797

Unit = 1.00000

$$\frac{B\cdot(A^2 - A + 1)}{\sqrt{B\cdot(A^2 - A + 1)\cdot(A^2 - A^2\cdot B - B + A\cdot B + 1)}} - C = 0.00000$$

$$\frac{n_1^2 - n_1 + 1}{\sqrt{(n_1^2 - n_1 + 1)\cdot(n_1 + n_2 - n_1^2 + n_1^2\cdot n_2 - 1)}} - C = 0.00000$$

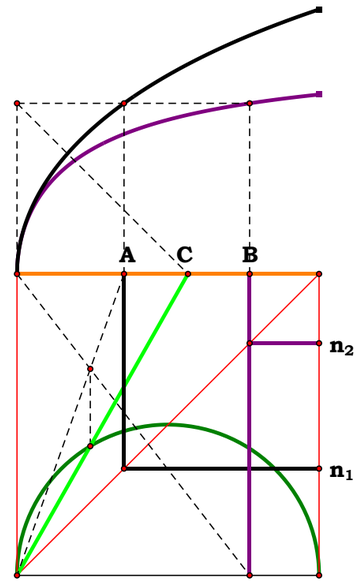
3OBT3R5.docx

Unit = 1.00000
A = 0.35424
B = 0.77011
C = 0.56601

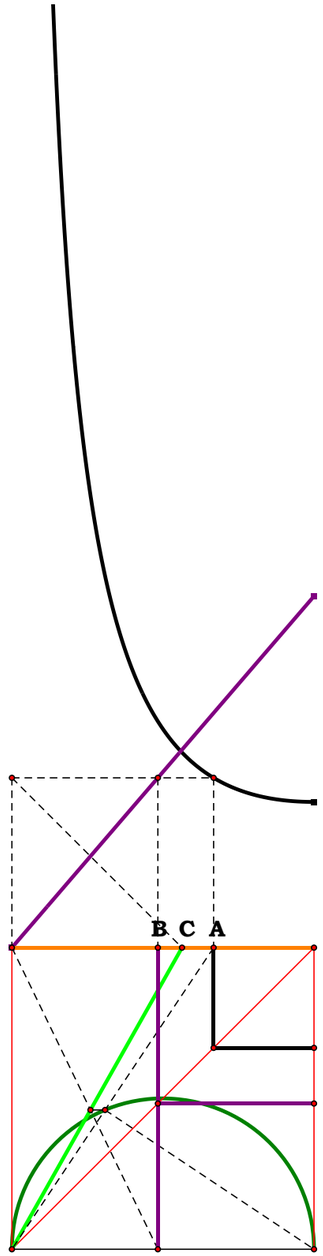
n_1 = 2.82293
n_2 = 1.29852

$$\frac{A \cdot B}{\sqrt{A \cdot B \cdot (A + B - A \cdot B)}} - C = 0.00000$$

$$\frac{1}{\sqrt{n_1 + n_2 - 1}} - C = 0.00000$$



3OBT3R6.docx



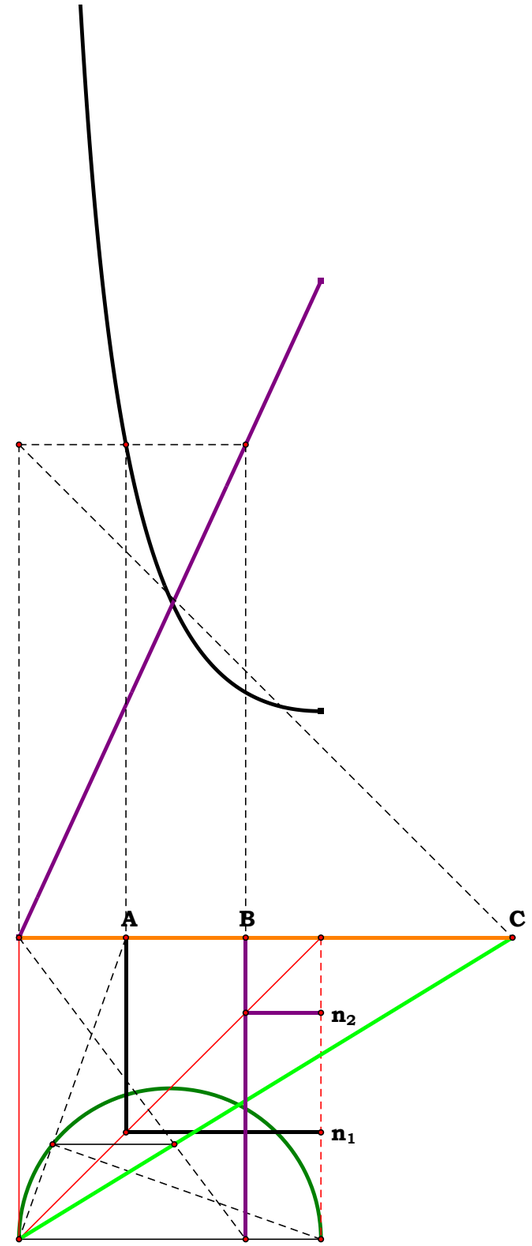
A = 0.66773
B = 0.48322
C = 0.56312

n_1 = 1.49761
n_2 = 2.06945

$\frac{B\cdot(A^2 - A + 1)}{A} - C = 0.00000$

$\frac{n_1^2 - n_1 + 1}{n_1\cdot n_2} - C = 0.00000$

Unit = 1.00000



A = 0.35424
B = 0.75073
C = 1.63447

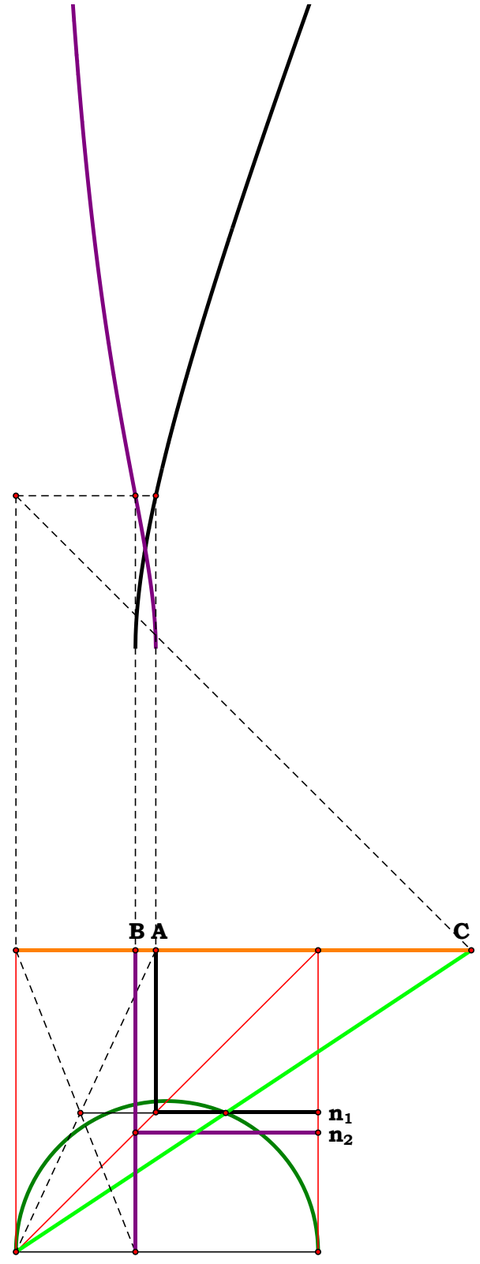
n_1 = 2.82293
n_2 = 1.33204

$\frac{B\cdot(A^2 - A + 1)}{A} - C = 0.00000$

$\frac{n_1^2 - n_1 + 1}{n_1\cdot n_2} - C = 0.00000$

Unit = 1.00000

3OBT3R7.docx



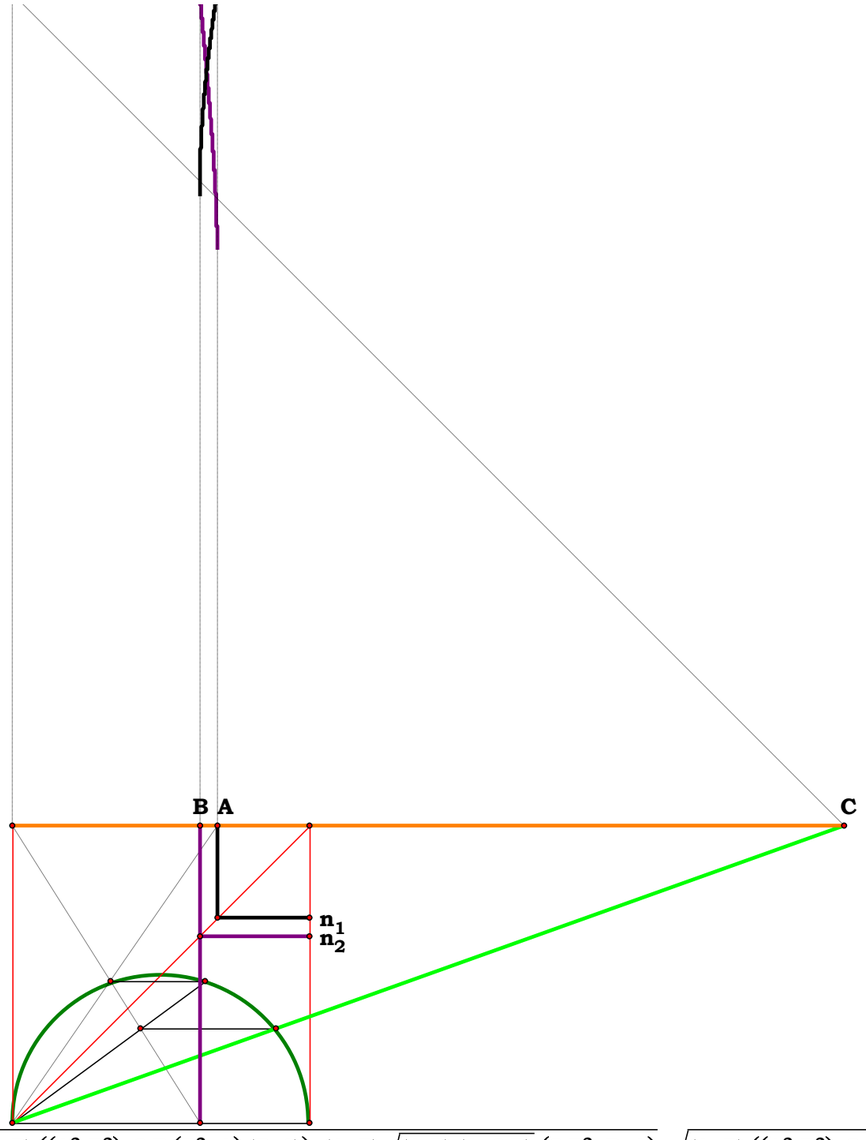
Unit = 1.00000
A = 0.46292
B = 0.39544
C = 1.50711

n_1 = 2.16021
n_2 = 2.52881

$$\frac{A + B + \sqrt{(A - B)\cdot(A + 3\cdot B)}}{2\cdot B} - C = 0.00000$$

$$\frac{n_1 + n_2 + \sqrt{2\cdot n_1\cdot n_2 - 3\cdot n_1^2 + n_2^2}}{2\cdot n_1} - C = 0.00000$$

3OBT3R8.docx



Unit = 1.00000

A = 0.68863
B = 0.62951
C = 2.79821

n_1 = 1.45216
n_2 = 1.58853

$$\frac{\sqrt{2}\cdot(A+B)\cdot\left(\sqrt{(A+B)\cdot((A^2-B^2)+2\cdot B\cdot(B^2+A)\cdot(B+1))+(A+B)\cdot\sqrt{(A-B)\cdot(A+3\cdot B)}\cdot(2\cdot B^2+B+A)}+\sqrt{(A+B)\cdot((A^2-B^2)+2\cdot B\cdot((B^2-3\cdot B^3)+A\cdot B+A))+(A+B)\cdot\sqrt{(A-B)\cdot(A+3\cdot B)}\cdot(2\cdot B^2+B+A)}\right)}{\left(4\cdot B^2\cdot\sqrt{(A+B)^3}\right)}-C = 0.00000$$

$$\frac{\sqrt{2}\cdot\left(\sqrt{(n_1+n_2)\cdot\left((n_2^3+n_1\cdot n_2^2+2\cdot n_1\cdot n_2)\cdot\sqrt{(2\cdot n_1\cdot n_2-3\cdot n_1^2)+n_2^2}+(2\cdot n_1\cdot(n_2^2+n_1\cdot n_2+n_1)+(n_2^2\cdot((2\cdot n_1\cdot n_2-n_1^2)+n_2^2))\right)}+\sqrt{(n_1+n_2)\cdot\left((n_2^3+n_1\cdot n_2^2+2\cdot n_1\cdot n_2)\cdot\sqrt{(2\cdot n_1\cdot n_2-3\cdot n_1^2)+n_2^2}+(2\cdot n_1\cdot((n_2^2+n_1\cdot n_2)-3\cdot n_1))+(n_2^2\cdot((2\cdot n_1\cdot n_2-n_1^2)+n_2^2))\right)}\right)}{4\cdot\sqrt{(n_1+n_2)}\cdot n_1}-C = 0.00000$$

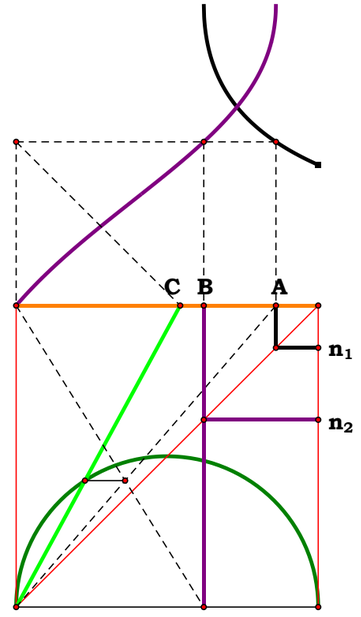
3OBT3R9.docx

Unit = 1.00000
A = 0.86000
B = 0.62115
C = 0.54304

n_1 = 1.16279
n_2 = 1.60991

$$\frac{A + B - \sqrt{(A - B)\cdot(A + 3\cdot B)}}{2\cdot B} - C = 0.00000$$

$$\frac{n_1 + n_2 - \sqrt{(n_2 - n_1)\cdot(3\cdot n_1 + n_2)}}{2\cdot n_1} - C = 0.00000$$



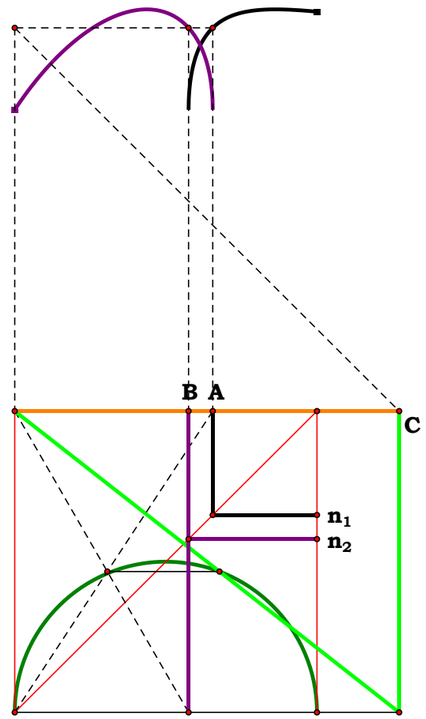
3OBT3R10.docx

Unit = 1.00000
A = 0.65519
B = 0.57518
C = 1.27201

n_1 = 1.52628
n_2 = 1.73860

$$\frac{A + B + \sqrt{(A - B)\cdot(A + 3\cdot B)}}{2\cdot A} - C = 0.00000$$

$$\frac{n_1 + n_2 + \sqrt{(n_2 - n_1)\cdot(3\cdot n_1 + n_2)}}{2\cdot n_2} - C = 0.00000$$



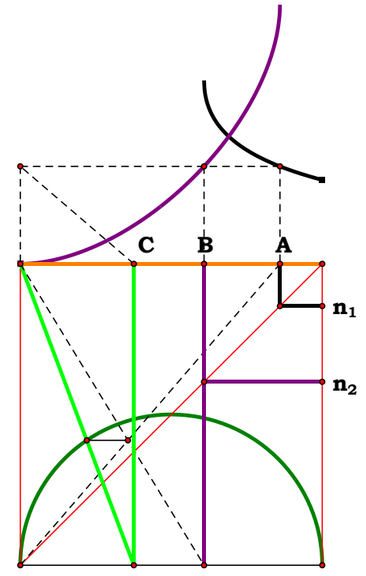
3OBT3R11.docx

Unit = 1.00000
A = 0.86000
B = 0.60861
C = 0.37611

n_1 = 1.16279
n_2 = 1.64308

$$\frac{A + B - \sqrt{(A - B)\cdot(A + 3\cdot B)}}{2\cdot A} - C = 0.00000$$

$$\frac{n_1 + n_2 - \sqrt{(n_2 - n_1)\cdot(3\cdot n_1 + n_2)}}{2\cdot n_2} - C = 0.00000$$



This is a somewhat interesting equation. Say you want a limiter. A can never be less than B and B can never be greater than A.

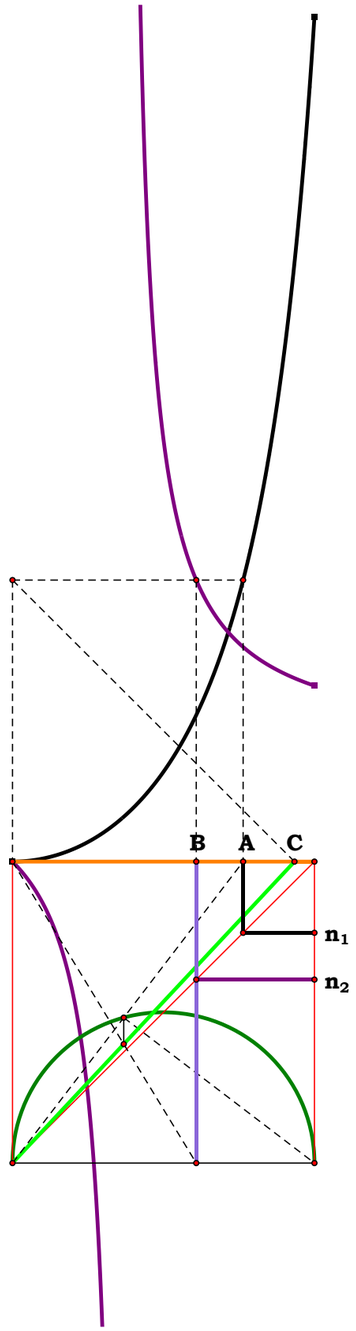
3OBT3R12.docx

Unit = 1.00000
A = 0.76386
B = 0.60861
C = 0.93392

n_1 = 1.30913
n_2 = 1.64308

$$\frac{A^2 \cdot B}{A^2 \cdot B - A^2 + B} = 0.93392$$

$$\frac{1}{n_1^2 - n_2 + 1} = 0.93392$$

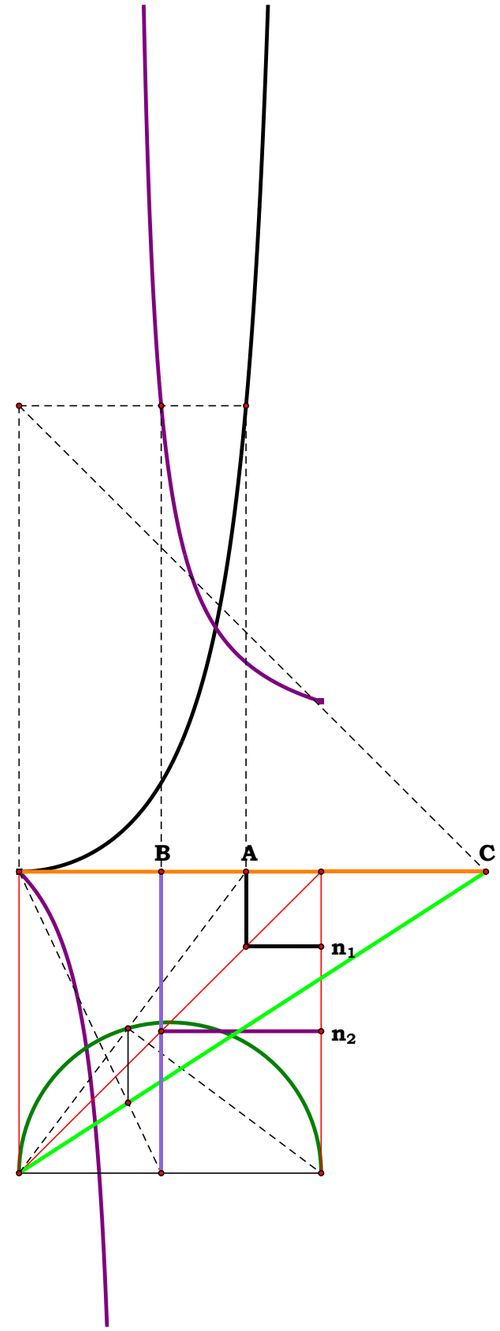


Unit = 1.00000
A = 0.75133
B = 0.47068
C = 1.54578

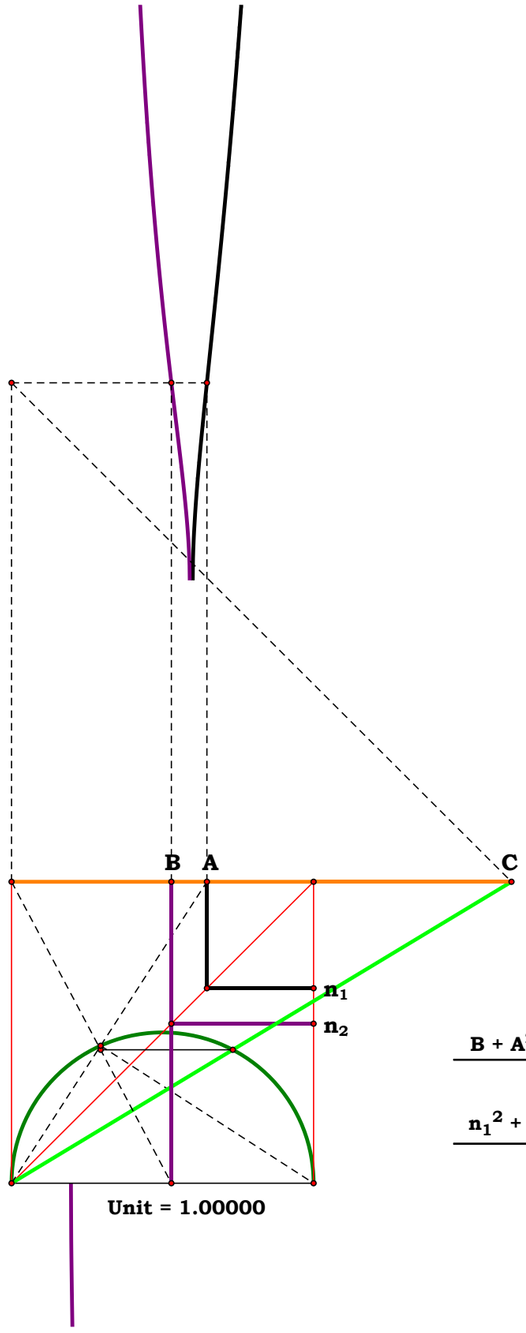
n_1 = 1.33098
n_2 = 2.12459

$$\frac{A^2 \cdot B}{A^2 \cdot B - A^2 + B} = 1.54578$$

$$\frac{1}{n_1^2 - n_2 + 1} = 1.54578$$



3OBT3R13.docx



A = 0.64683
B = 0.52920
C = 1.65523

n_1 = 1.54600
n_2 = 1.88965

$$\frac{B + A^2 \cdot B + \sqrt{\left(B \cdot \left(A^2 + 1\right) - 2 \cdot A^2\right) \cdot \left(2 \cdot A^2 - 3 \cdot B \cdot \left(A^2 + 1\right)\right)}}{2 \cdot \left(A^2 \cdot B + B - A^2\right)} - C = 0.00000$$

$$\frac{{n_1}^2 + 1 + \sqrt{\left(3 \cdot {n_1}^2 + 3 - 2 \cdot n_2\right) \cdot \left(2 \cdot n_2 - 1 - {n_1}^2\right)}}{2 \cdot \left({n_1}^2 + 1 - n_2\right)} - C = 0.00000$$

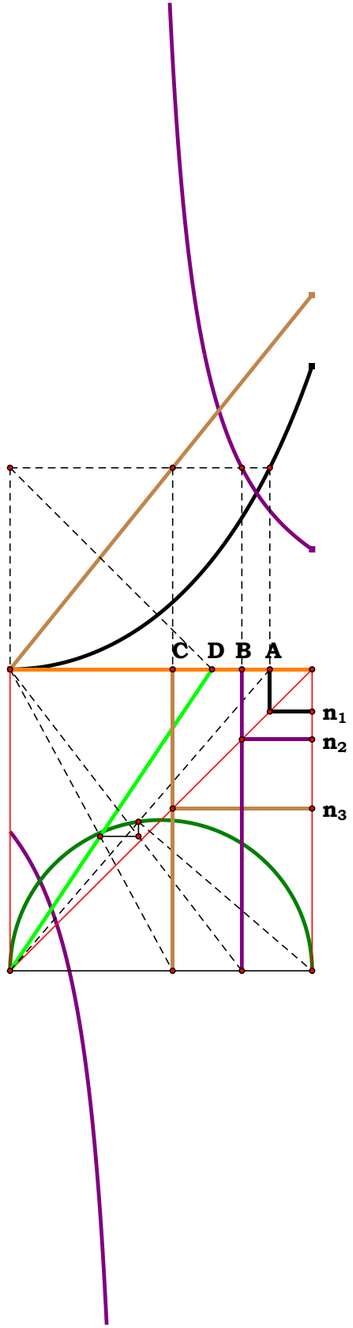
3OBT3R14.docx

Unit = 1.00000
A = 0.86000
B = 0.76745
C = 0.53832
D = 0.66863

n_1 = 1.16279
n_2 = 1.30302
n_3 = 1.85765

$$\frac{A^2 \cdot C}{A^2 \cdot B + B - A^2} - D = 0.00000$$

$$\frac{n_2}{n_3 \cdot \left(n_1{}^2 - n_2 + 1\right)} - D = 0.00000$$

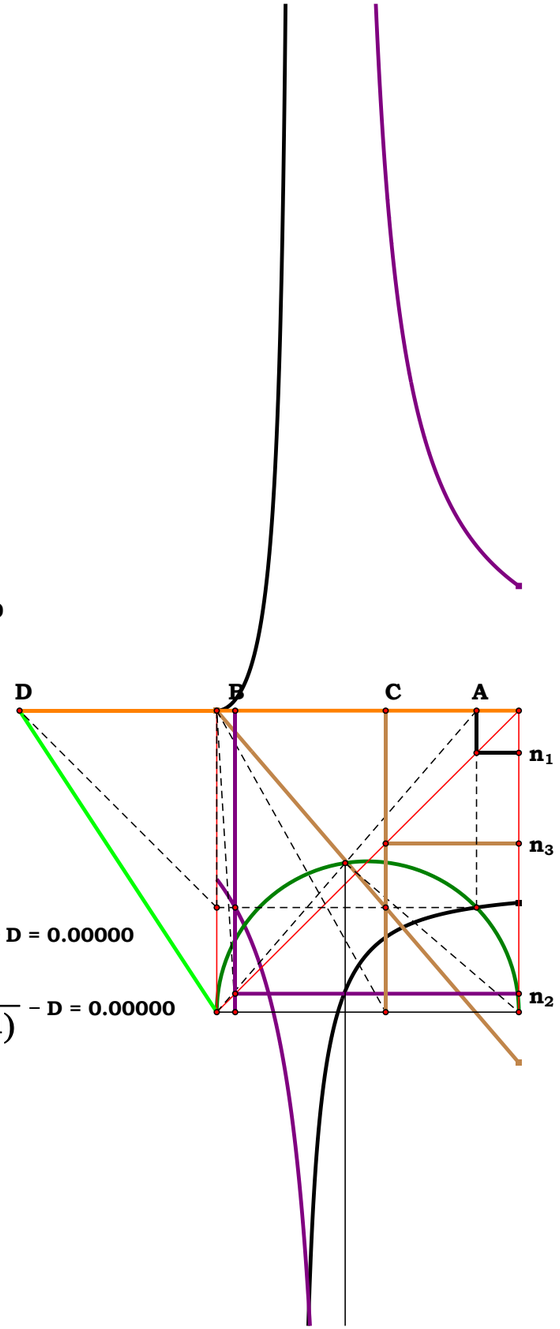


Unit = 1.00000
A = 0.86000
B = 0.06106
C = 0.55921
D = –0.65299

n_1 = 1.16279
n_2 = 16.37836
n_3 = 1.78822

$$\frac{A^2 \cdot C}{A^2 \cdot B + B - A^2} - D = 0.00000$$

$$\frac{n_2}{n_3 \cdot \left(n_1{}^2 - n_2 + 1\right)} - D = 0.00000$$



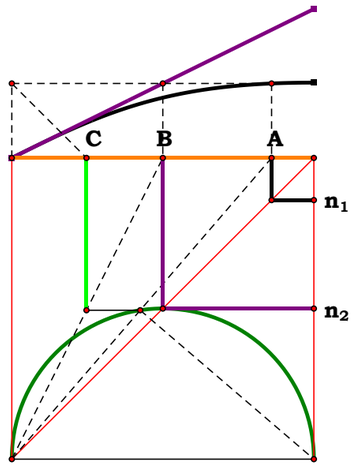
3OBT4R0.docx

Unit = 1.00000
A = 0.86000
B = 0.49994
C = 0.24715

n_1 = 1.16279
n_2 = 2.00025

$$\frac{A \cdot B}{A^2 + 1} - C = 0.00000$$

$$\frac{n_1}{n_2 \cdot \left(n_1^{\,2} + 1\right)} - C = 0.00000$$



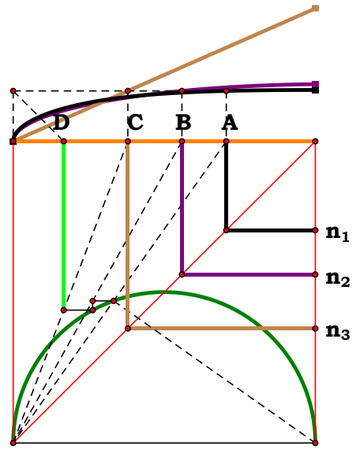
3OBT4R1.docx

Unit = 1.00000
A = 0.70535
B = 0.55846
C = 0.37948
D = 0.16708

n_1 = 1.41774
n_2 = 1.79065
n_3 = 2.63517

$$\frac{C\cdot\sqrt{A\cdot B\cdot\left(A^2 - A\cdot B + 1\right)}}{A^2 + 1} - D = 0.00000$$

$$\frac{{n_1}^2\cdot\sqrt{{n_1}^2\cdot n_2 - n_1 + n_2}}{\left({n_1}^2 + 1\right)\cdot n_3\cdot\sqrt{{n_1}^3\cdot{n_2}^2}} - D = 0.00000$$

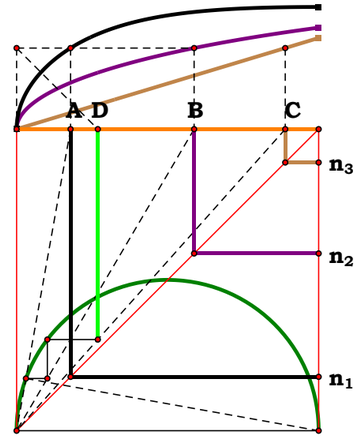


Unit = 1.00000
A = 0.17869
B = 0.58771
C = 0.88942
D = 0.26891

n_1 = 5.59634
n_2 = 1.70151
n_3 = 1.12433

$$\frac{C\cdot\sqrt{A\cdot B\cdot\left(A^2 - A\cdot B + 1\right)}}{A^2 + 1} - D = 0.00000$$

$$\frac{{n_1}^2\cdot\sqrt{{n_1}^2\cdot n_2 - n_1 + n_2}}{\left({n_1}^2 + 1\right)\cdot n_3\cdot\sqrt{{n_1}^3\cdot{n_2}^2}} - D = 0.00000$$



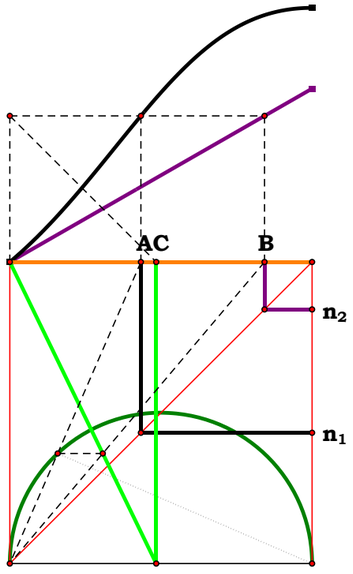
3OBT4R2.docx

Unit = 1.00000
A = 0.43366
B = 0.84268
C = 0.48441

n_1 = 2.30596
n_2 = 1.18668

$$\frac{A \cdot B}{A^2 - A + 1} - C = 0.00000$$

$$\frac{n_1}{n_2 \cdot \left(n_1^2 - n_1 + 1\right)} - C = 0.00000$$

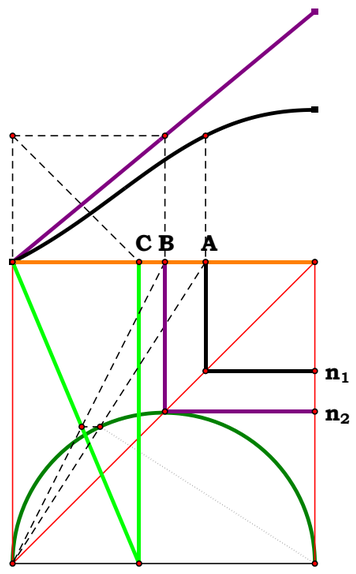


Unit = 1.00000
A = 0.63847
B = 0.50412
C = 0.41845

n_1 = 1.56624
n_2 = 1.98366

$$\frac{A \cdot B}{A^2 - A + 1} - C = 0.00000$$

$$\frac{n_1}{n_2 \cdot \left(n_1^2 - n_1 + 1\right)} - C = 0.00000$$



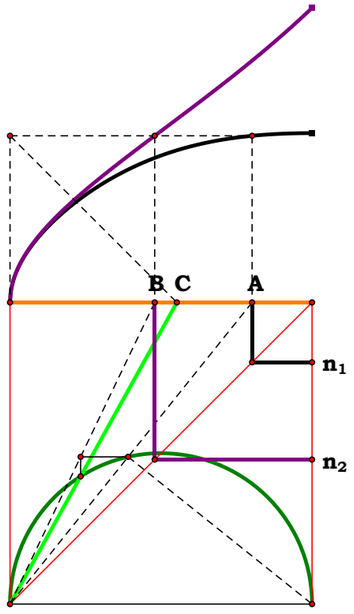
3OBT4R3.docx

Unit = 1.00000
A = 0.80148
B = 0.47904
C = 0.55235

n_1 = 1.24769
n_2 = 2.08751

$$\frac{\sqrt{A \cdot B}}{\sqrt{A^2 - A \cdot B + 1}} - C = 0.00000$$

$$\frac{\sqrt{n_1^2 \cdot n_2}}{\sqrt{(n_1 \cdot n_2) \cdot \left(n_1^2 \cdot n_2 - n_1 + n_2\right)}} - C = 0.00000$$

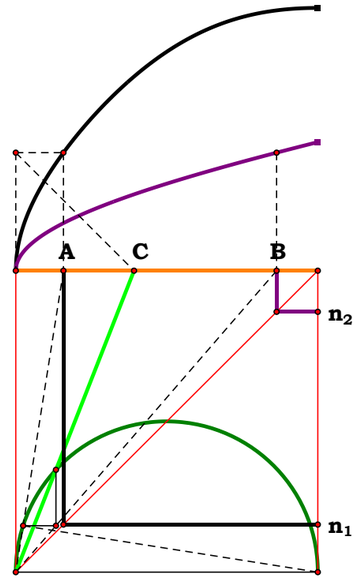


Unit = 1.00000
A = 0.15779
B = 0.86358
C = 0.39159

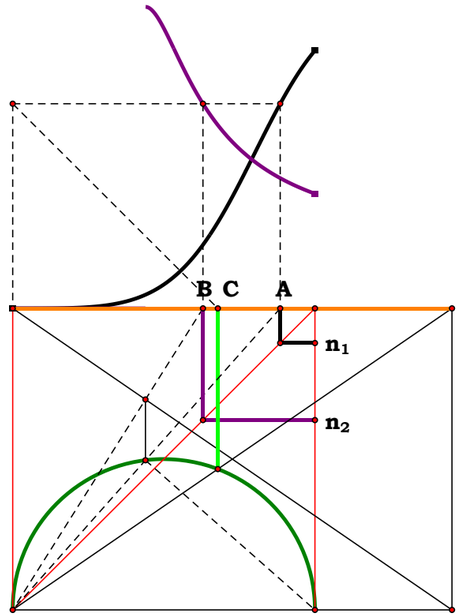
n_1 = 6.33757
n_2 = 1.15797

$$\frac{\sqrt{A \cdot B}}{\sqrt{A^2 - A \cdot B + 1}} - C = 0.00000$$

$$\frac{\sqrt{n_1^2 \cdot n_2}}{\sqrt{(n_1 \cdot n_2) \cdot \left(n_1^2 \cdot n_2 - n_1 + n_2\right)}} - C = 0.00000$$



3OBT4R4.docx

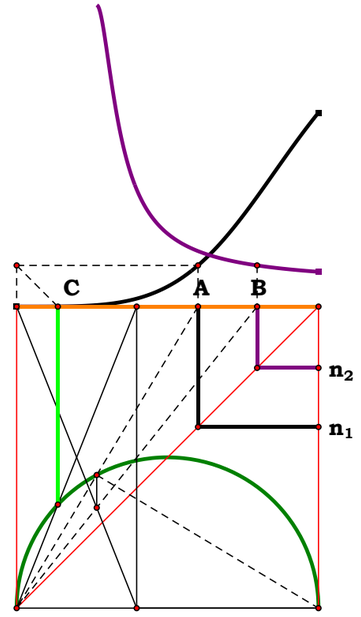


Unit = 1.00000
A = 0.88508
B = 0.62951
C = 0.67872

$n_1 = 1.12984$
$n_2 = 1.58853$

$$\frac{A^4 \cdot B^2}{A^4 \cdot (2 \cdot B \cdot (B - 1) + 1) + 2 \cdot A^2 \cdot B \cdot (B - 1) + B^2} - C = 0.00000$$

$$\frac{1}{n_1^4 - 2 \cdot n_1^2 \cdot n_2 + 2 \cdot n_1^2 + n_2^2 - 2 \cdot n_2 + 2} - C = 0.00000$$



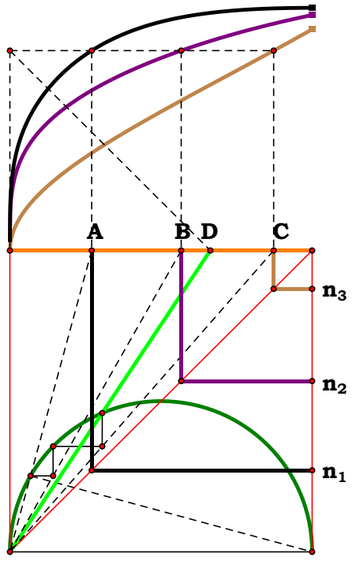
Unit = 1.00000
A = 0.60085
B = 0.79671
C = 0.13654

$n_1 = 1.66431$
$n_2 = 1.25517$

$$\frac{A^4 \cdot B^2}{A^4 \cdot (2 \cdot B \cdot (B - 1) + 1) + 2 \cdot A^2 \cdot B \cdot (B - 1) + B^2} - C = 0.00000$$

$$\frac{1}{n_1^4 - 2 \cdot n_1^2 \cdot n_2 + 2 \cdot n_1^2 + n_2^2 - 2 \cdot n_2 + 2} - C = 0.00000$$

3OBT4R5.docx



Unit = 1.00000
A = 0.27064
B = 0.56682
C = 0.87270
D = 0.66316

n_1 = 3.69488
n_2 = 1.76424
n_3 = 1.14587

$$\frac{C\cdot\sqrt{A\cdot B\cdot\left(A^2 - A\cdot B + 1\right)}}{\sqrt{A^2\cdot B^2\cdot C^2 + C\cdot\left(A^2 + 1\right)\cdot\sqrt{A\cdot B\cdot\left(A^2 - A\cdot B + 1\right)} - A\cdot B\cdot C^2\cdot\left(A^2 + 1\right)}} - D = 0.00000$$

$$\frac{n_1\cdot\sqrt{{n_1}^3\cdot{n_2}^2\cdot{n_3}^2}\cdot\sqrt{{n_1}^2\cdot n_2 - n_1 + n_2}}{n_3\cdot\sqrt{{n_1}^3\cdot{n_2}^2}\cdot\sqrt{\sqrt{{n_1}^3\cdot{n_2}^2}\cdot\left(\sqrt{{n_1}^2\cdot n_2 - n_1 + n_2} + {n_1}^2\cdot\sqrt{{n_1}^2\cdot n_2 - n_1 + n_2}\right)\cdot n_3 + {n_1}^3 - {n_1}^4\cdot n_2 - {n_1}^2\cdot n_2}} - D = 0.00000$$

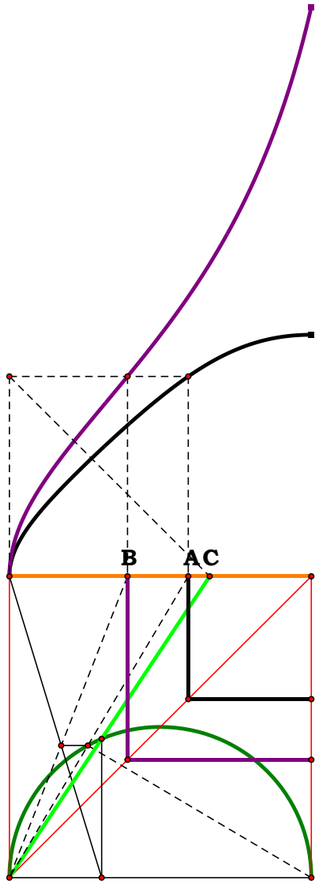
3OBT4R6.docx

Unit = 1.00000
A = 0.59249
B = 0.39126
C = 0.66341

n_1 = 1.68779
n_2 = 2.55583

$$\frac{A \cdot B}{\sqrt{A^3 \cdot B - A^2 \cdot B^2 - A^2 \cdot B + A \cdot B}} - C = 0.00000$$

$$\frac{\sqrt{n_1^3 \cdot n_2^2}}{n_1 \cdot n_2 \cdot \sqrt{n_1^2 \cdot n_2 + n_2 - n_1 \cdot n_2 - n_1}} - C = 0.00000$$

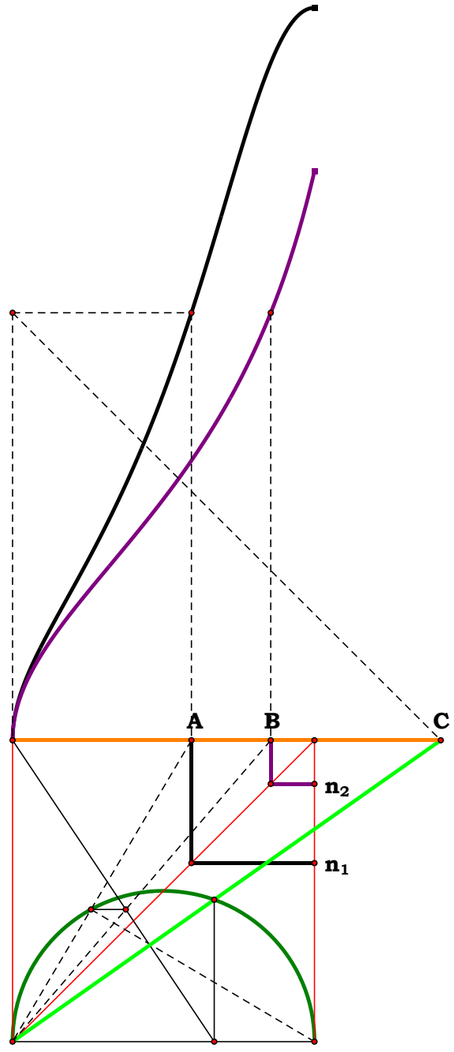


Unit = 1.00000
A = 0.59249
B = 0.85522
C = 1.41846

n_1 = 1.68779
n_2 = 1.16928

$$\frac{A \cdot B}{\sqrt{A^3 \cdot B - A^2 \cdot B^2 - A^2 \cdot B + A \cdot B}} - C = 0.00000$$

$$\frac{\sqrt{n_1^3 \cdot n_2^2}}{n_1 \cdot n_2 \cdot \sqrt{n_1^2 \cdot n_2 + n_2 - n_1 \cdot n_2 - n_1}} - C = 0.00000$$



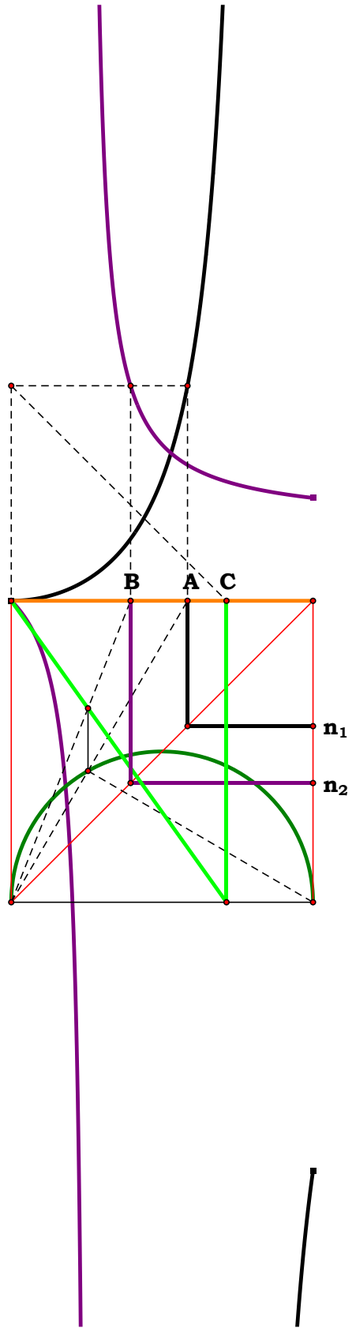
3OBT4R7.docx

Unit = 1.00000
A = 0.58413
B = 0.39544
C = 0.71330

n_1 = 1.71194
n_2 = 2.52881

$$\frac{A^2 \cdot B}{A^2 \cdot B - A^2 + B} - C = 0.00000$$

$$\frac{1}{n_1^2 - n_2 + 1} - C = 0.00000$$

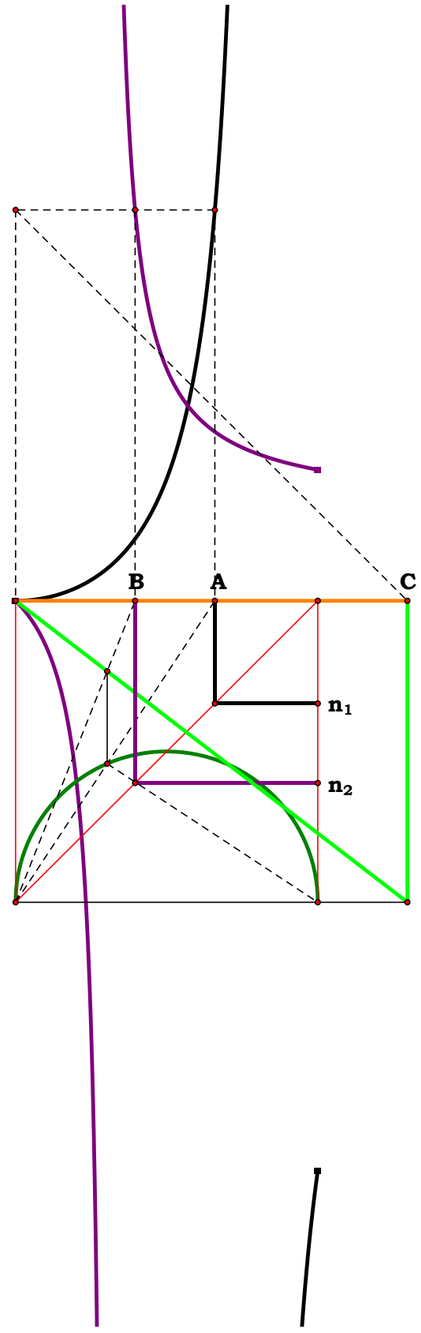


Unit = 1.00000
A = 0.65937
B = 0.39544
C = 1.29656

n_1 = 1.51660
n_2 = 2.52881

$$\frac{A^2 \cdot B}{A^2 \cdot B - A^2 + B} - C = 0.00000$$

$$\frac{1}{n_1^2 - n_2 + 1} - C = 0.00000$$



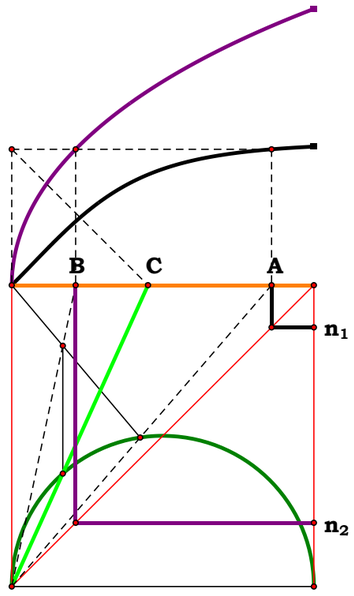
3OBT4R8.docx

Unit = 1.00000
A = 0.86000
B = 0.21153
C = 0.45098

n_1 = 1.16279
n_2 = 4.72746

$$\frac{A^2 \cdot B}{\sqrt{A^2 \cdot B \cdot (A^2 - A \cdot B + B)}} - C = 0.00000$$

$$\frac{\sqrt{n_1^4 \cdot n_2^2}}{n_1^2 \cdot n_2 \cdot \sqrt{n_1^2 - n_1 + n_2}} - C = 0.00000$$

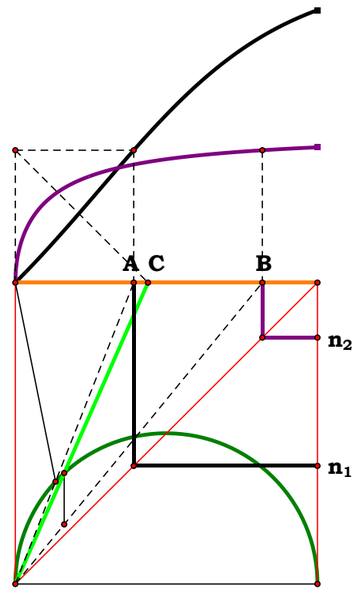


Unit = 1.00000
A = 0.39186
B = 0.81761
C = 0.43923

n_1 = 2.55193
n_2 = 1.22308

$$\frac{A^2 \cdot B}{\sqrt{A^2 \cdot B \cdot (A^2 - A \cdot B + B)}} - C = 0.00000$$

$$\frac{\sqrt{n_1^4 \cdot n_2^2}}{n_1^2 \cdot n_2 \cdot \sqrt{n_1^2 - n_1 + n_2}} - C = 0.00000$$



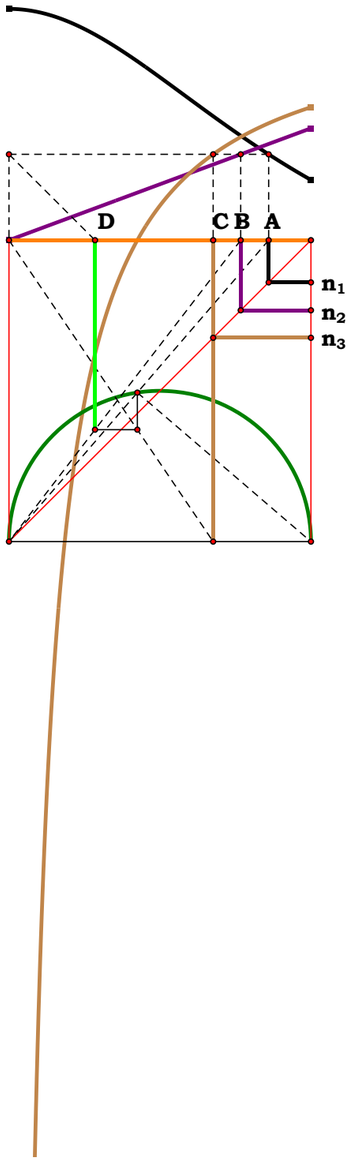
3OBT5R0.docx

Unit = 1.00000
A = 0.86000
B = 0.76745
C = 0.67625
D = 0.28496

$n_1 = 1.16279$
$n_2 = 1.30302$
$n_3 = 1.47874$

$$\frac{B\cdot\left(C + A^2\cdot C - A^2\right)}{A^2\cdot C + C} - D = 0.00000$$

$$\frac{{n_1}^2 - n_3 + 1}{{n_1}^2\cdot n_2 + n_2} - D = 0.00000$$

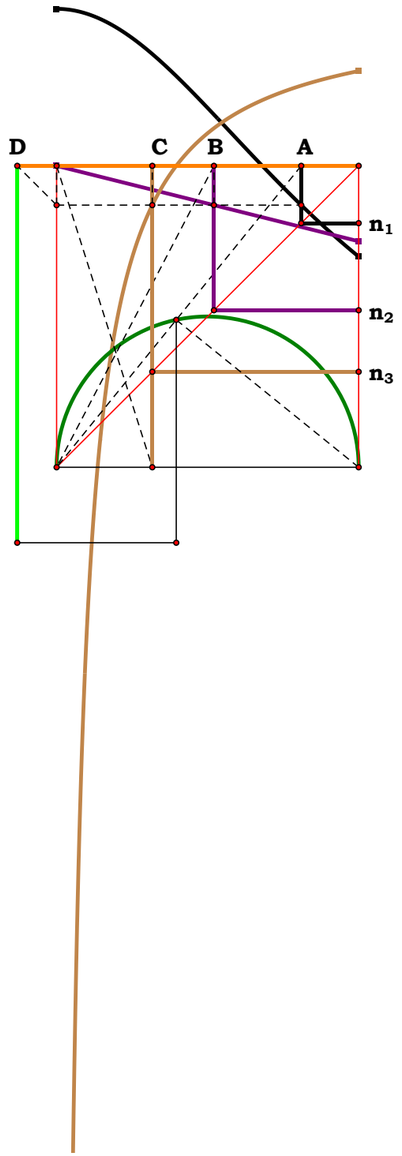


Unit = 1.00000
A = 0.80984
B = 0.52084
C = 0.31678
D = –0.13037

$n_1 = 1.23481$
$n_2 = 1.91998$
$n_3 = 3.15672$

$$\frac{B\cdot\left(C + A^2\cdot C - A^2\right)}{A^2\cdot C + C} - D = 0.00000$$

$$\frac{{n_1}^2 - n_3 + 1}{{n_1}^2\cdot n_2 + n_2} - D = 0.00000$$



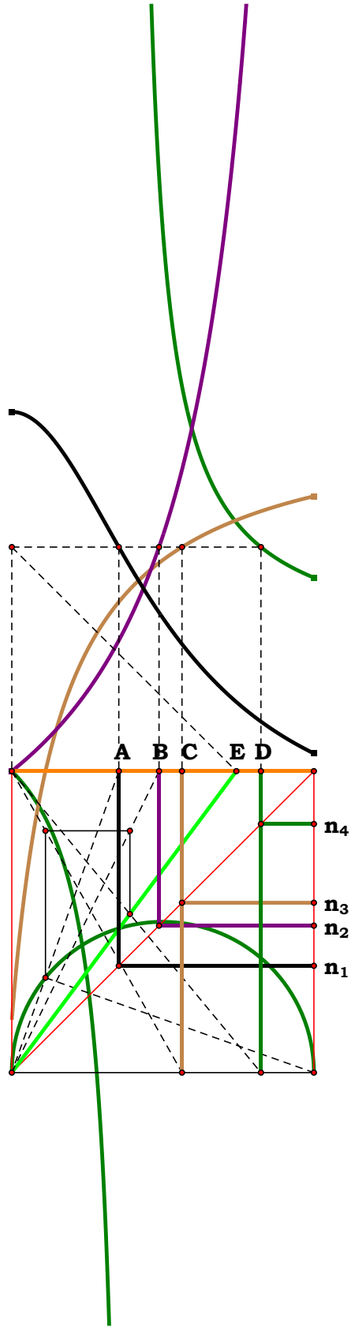
3OBT5R1.docx

Unit = 1.00000
A = 0.35424
B = 0.48740
C = 0.56339
D = 0.82466
E = 0.74333

n_1 = 2.82293
n_2 = 2.05171
n_3 = 1.77496
n_4 = 1.21263

$$\frac{B\cdot C\cdot D\cdot\left(A^2+1\right)-A^2\cdot B\cdot D}{\left(A^2\cdot C+C\right)\cdot D-B\cdot\left(C+A^2\cdot C-A^2\right)}-E=0.00000$$

$$\frac{{n_1}^2-n_3+1}{n_2-n_4+n_3\cdot n_4+{n_1}^2\cdot n_2-{n_1}^2\cdot n_4}-E=0.00000$$

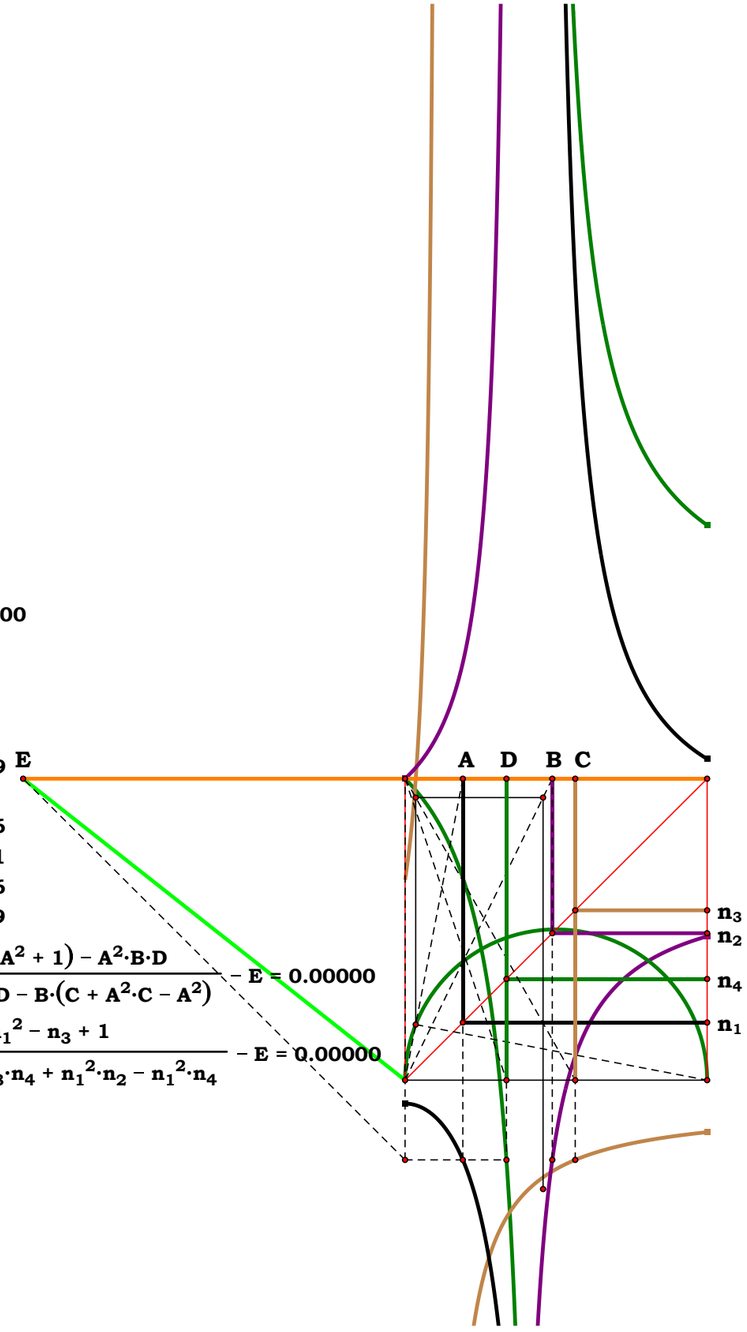


Unit = 1.00000
A = 0.19123
B = 0.48740
C = 0.56339
D = 0.33562
E = –1.26449

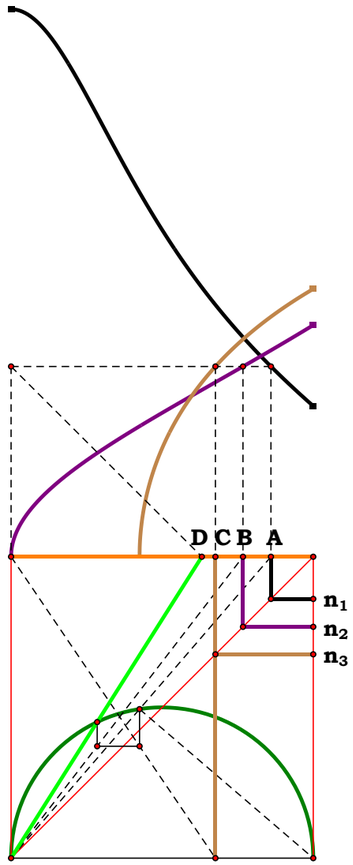
n_1 = 5.22936
n_2 = 2.05171
n_3 = 1.77496
n_4 = 2.97959

$$\frac{B\cdot C\cdot D\cdot\left(A^2+1\right)-A^2\cdot B\cdot D}{\left(A^2\cdot C+C\right)\cdot D-B\cdot\left(C+A^2\cdot C-A^2\right)}-E=0.00000$$

$$\frac{{n_1}^2-n_3+1}{n_2-n_4+n_3\cdot n_4+{n_1}^2\cdot n_2-{n_1}^2\cdot n_4}-E=0.00000$$



3OBT5R2.docx

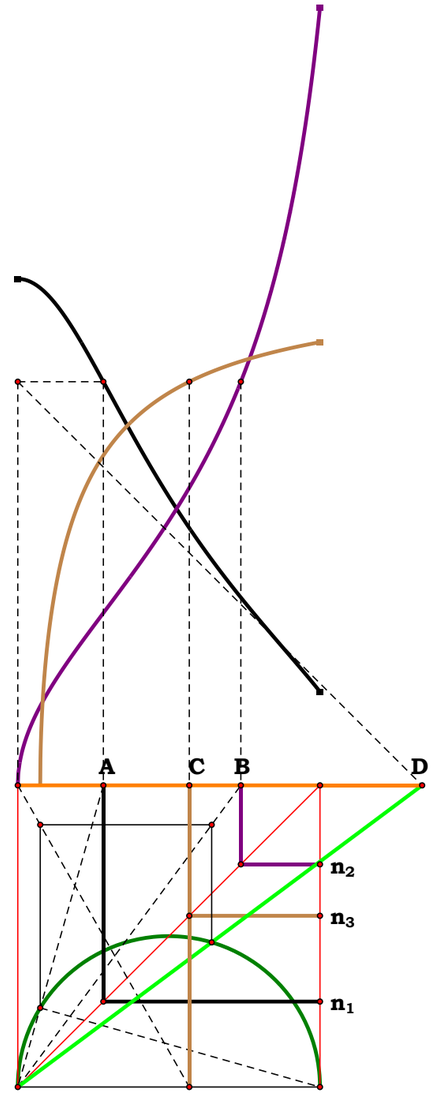


Unit = 1.00000
A = 0.86000
B = 0.76745
C = 0.67625
D = 0.63128

n_1 = 1.16279
n_2 = 1.30302
n_3 = 1.47874

$$\frac{B\cdot(A^2\cdot C + C - A^2)}{\sqrt{B\cdot(A^2\cdot C + C - A^2)\cdot(A^2\cdot B + A^2\cdot C - A^2\cdot B\cdot C - B\cdot C + C)}} - D = 0.00000$$

$$\frac{\sqrt{n_1^4\cdot n_2^2\cdot n_3^2}\cdot(n_1^2 - n_3 + 1)}{n_1^2\cdot n_2\cdot n_3\cdot\sqrt{(n_1^2 - n_3 + 1)\cdot(n_1^2\cdot n_2 + n_2 + n_3 - n_1^2 - 1)}} - D = 0.00000$$



Unit = 1.00000
A = 0.28318
B = 0.73819
C = 0.56757
D = 1.33807

n_1 = 3.53127
n_2 = 1.35467
n_3 = 1.76188

$$\frac{B\cdot(A^2\cdot C + C - A^2)}{\sqrt{B\cdot(A^2\cdot C + C - A^2)\cdot(A^2\cdot B + A^2\cdot C - A^2\cdot B\cdot C - B\cdot C + C)}} - D = 0.00000$$

$$\frac{\sqrt{n_1^4\cdot n_2^2\cdot n_3^2}\cdot(n_1^2 - n_3 + 1)}{n_1^2\cdot n_2\cdot n_3\cdot\sqrt{(n_1^2 - n_3 + 1)\cdot(n_1^2\cdot n_2 + n_2 + n_3 - n_1^2 - 1)}} - D = 0.00000$$

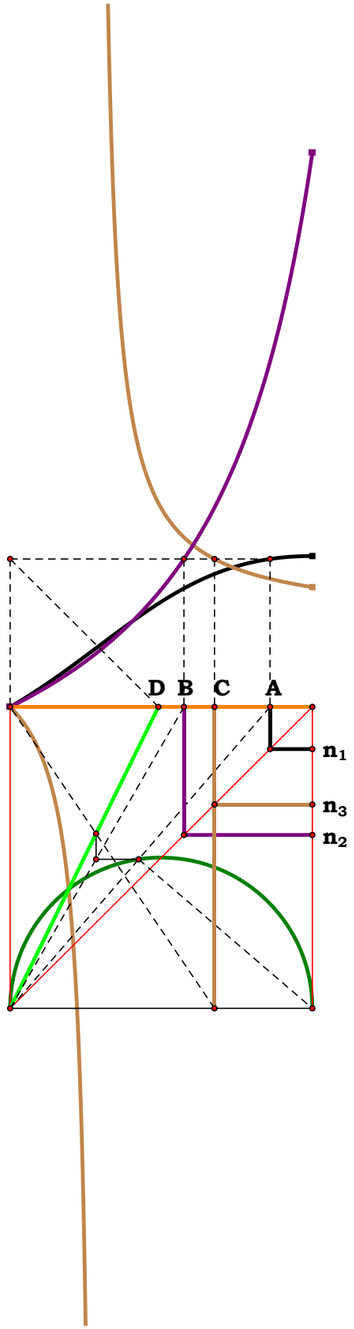
3OBT5R3.docx

Unit = 1.00000
A = 0.86000
B = 0.57518
C = 0.67625
D = 0.49066

n_1 = 1.16279
n_2 = 1.73860
n_3 = 1.47874

$$\frac{A \cdot B \cdot C}{A^2 \cdot C - A \cdot B + C} - D = 0.00000$$

$$\frac{n_1}{{n_1}^2 \cdot n_2 - n_1 \cdot n_3 + n_2} - D = 0.00000$$

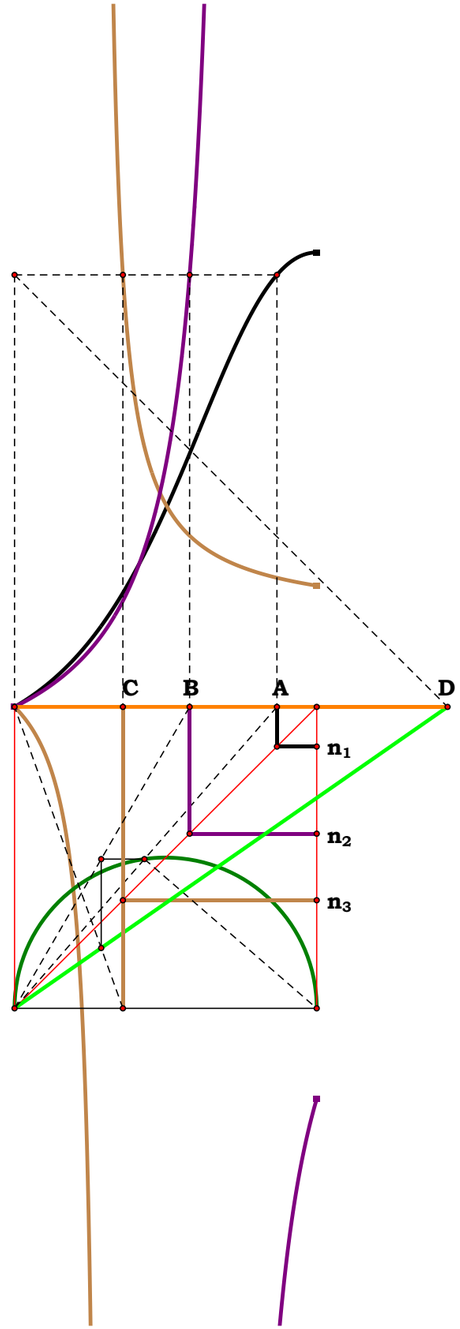


Unit = 1.00000
A = 0.86836
B = 0.57936
C = 0.35858
D = 1.43308

n_1 = 1.15160
n_2 = 1.72606
n_3 = 2.78876

$$\frac{A \cdot B \cdot C}{A^2 \cdot C - A \cdot B + C} - D = 0.00000$$

$$\frac{n_1}{{n_1}^2 \cdot n_2 - n_1 \cdot n_3 + n_2} - D = 0.00000$$



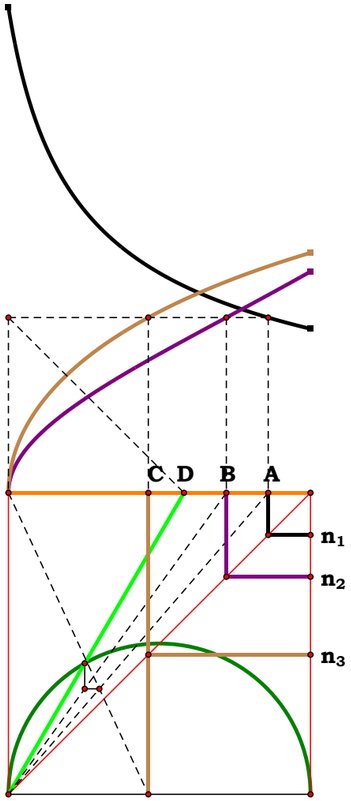
3OBT5R4.docx

Unit = 1.00000
A = 0.86000
B = 0.72147
C = 0.46308
D = 0.58122

n_1 = 1.16279
n_2 = 1.38606
n_3 = 2.15946

$$\frac{B \cdot C}{\sqrt{B \cdot C \cdot (A + C - B \cdot C)}} - D = 0.00000$$

$$\frac{\sqrt{n_1 \cdot n_2^2 \cdot n_3^2}}{n_2 \cdot n_3 \cdot \sqrt{n_1 \cdot n_2 - n_1 + n_2 \cdot n_3}} - D = 0.00000$$

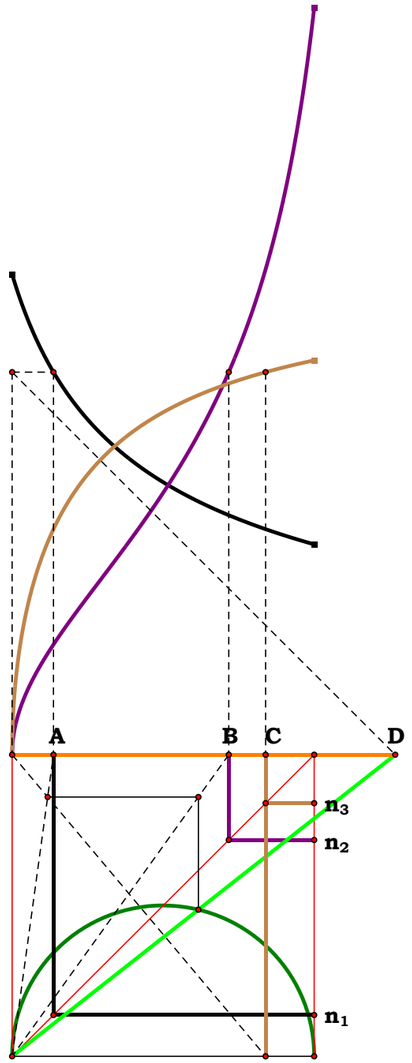


Unit = 1.00000
A = 0.13689
B = 0.71729
C = 0.83926
D = 1.26844

n_1 = 7.30513
n_2 = 1.39414
n_3 = 1.19152

$$\frac{B \cdot C}{\sqrt{B \cdot C \cdot (A + C - B \cdot C)}} - D = 0.00000$$

$$\frac{\sqrt{n_1 \cdot n_2^2 \cdot n_3^2}}{n_2 \cdot n_3 \cdot \sqrt{n_1 \cdot n_2 - n_1 + n_2 \cdot n_3}} - D = 0.00000$$



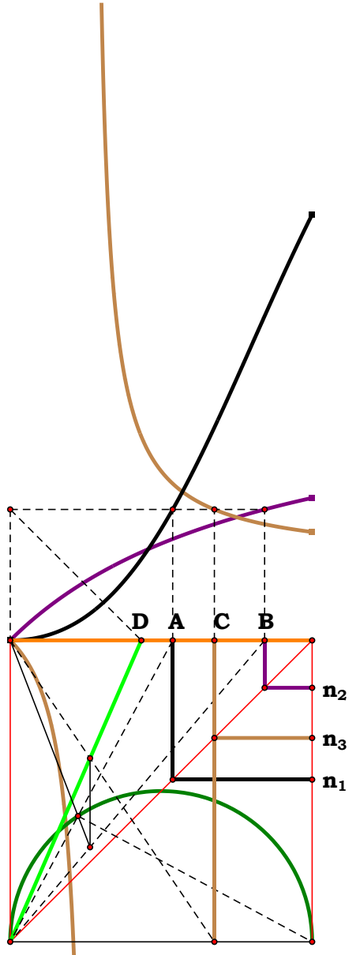
3OBT5R5.docx

Unit = 1.00000
A = 0.53815
B = 0.84268
C = 0.67625
D = 0.43428

n_1 = 1.85820
n_2 = 1.18668
n_3 = 1.47874

$$\frac{A^2 \cdot B \cdot C}{B \cdot C + A \cdot B \cdot C \cdot (A - 1) - A^2 \cdot (B - C)} - D = 0.00000$$

$$\frac{1}{n_1^2 - n_1 + n_2 - n_3 + 1} - D = 0.00000$$

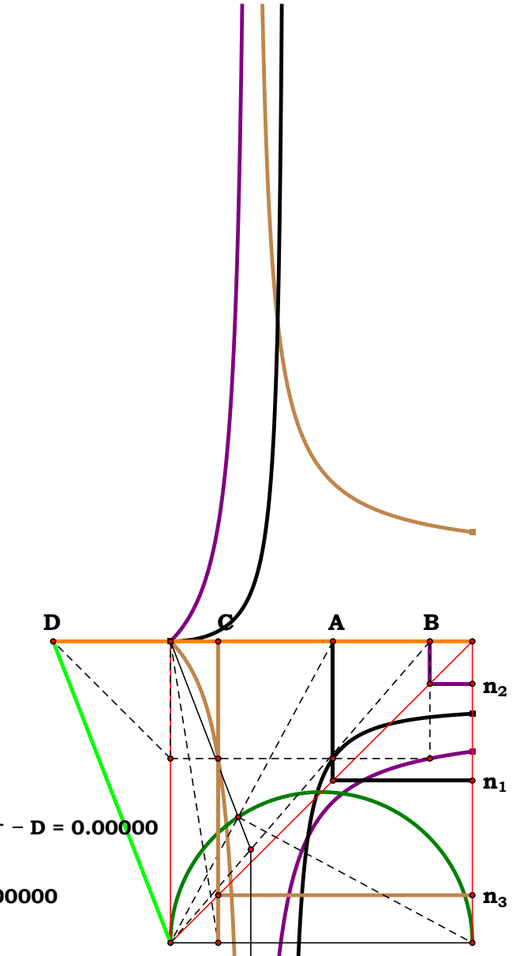


Unit = 1.00000
A = 0.53815
B = 0.85940
C = 0.15795
D = –0.38868

n_1 = 1.85820
n_2 = 1.16360
n_3 = 6.33110

$$\frac{A^2 \cdot B \cdot C}{B \cdot C + A \cdot B \cdot C \cdot (A - 1) - A^2 \cdot (B - C)} - D = 0.00000$$

$$\frac{1}{n_1^2 - n_1 + n_2 - n_3 + 1} - D = 0.00000$$



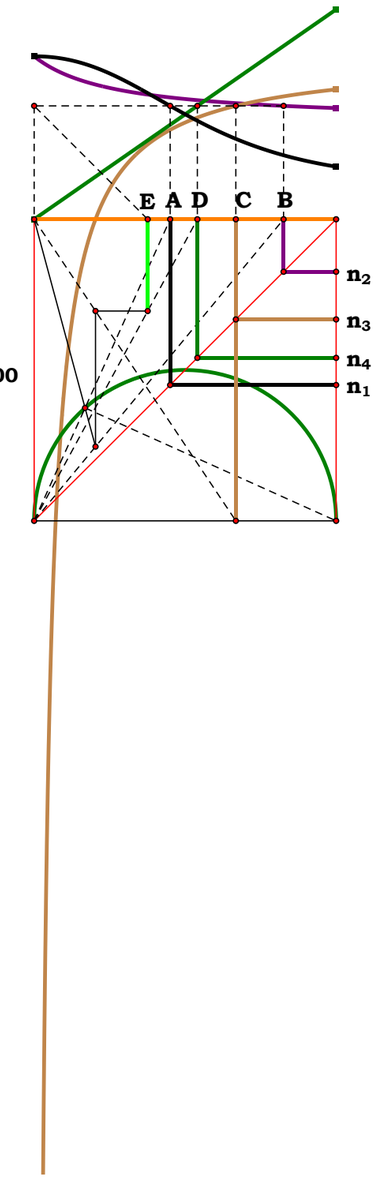
3OBT5R6.docx

Unit = 1.00000
A = 0.45038
B = 0.82597
C = 0.66789
D = 0.54043
E = 0.37598

n_1 = 2.22036
n_2 = 1.21070
n_3 = 1.49725
n_4 = 1.85039

$$\frac{D\cdot\left(C\cdot\left(A^2+B+A\cdot B\cdot(A-1)\right)-A^2\cdot B\right)}{A^2\cdot C+B\cdot C\cdot\left(A^2-A+1\right)}-E=0.00000$$

$$\frac{{n_1}^2-n_1+n_2-n_3+1}{n_4\cdot\left({n_1}^2-n_1+n_2+1\right)}-E=0.00000$$



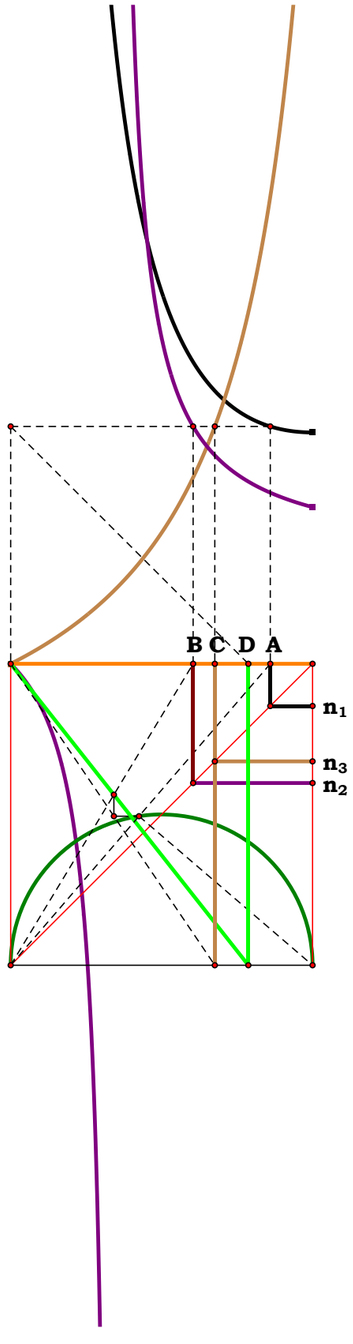
3OBT5R7.docx

Unit = 1.00000
A = 0.86000
B = 0.60443
C = 0.67625
D = 0.78734

n_1 = 1.16279
n_2 = 1.65444
n_3 = 1.47874

$$\frac{B\cdot C\cdot\left(A^2 - A + 1\right)}{\left(A^2 + 1\right)\cdot B - C\cdot\left(A^2 - A + 1\right)} - D = 0.00000$$

$$\frac{{n_1}^2 - n_1 + 1}{n_3 - n_2 + n_1\cdot n_2 - {n_1}^2\cdot n_2 + {n_1}^2\cdot n_3} - D = 0.00000$$

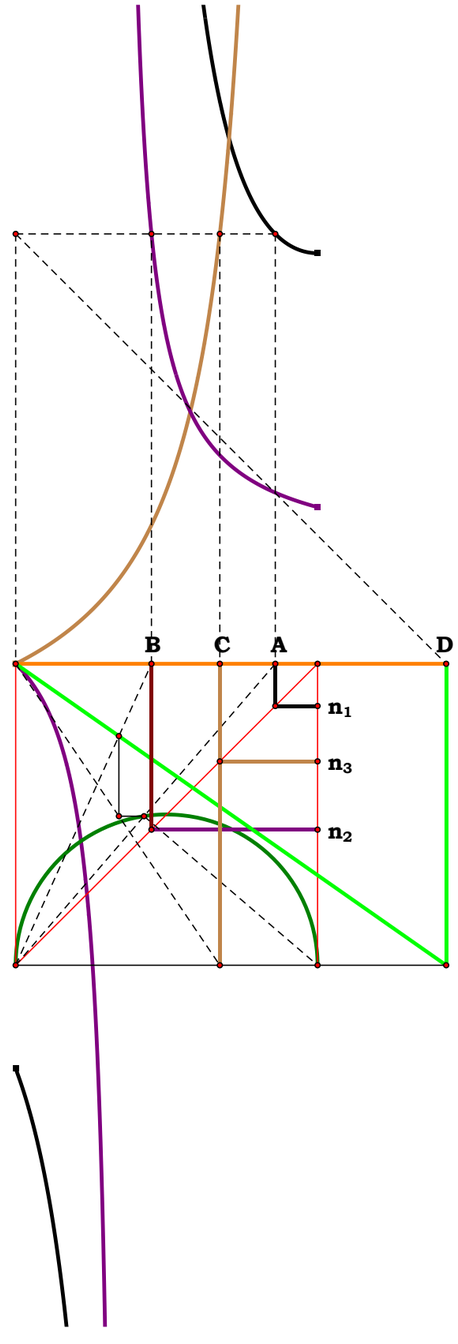


Unit = 1.00000
A = 0.86000
B = 0.44978
C = 0.67625
D = 1.42606

n_1 = 1.16279
n_2 = 2.22331
n_3 = 1.47874

$$\frac{B\cdot C\cdot\left(A^2 - A + 1\right)}{\left(A^2 + 1\right)\cdot B - C\cdot\left(A^2 - A + 1\right)} - D = 0.00000$$

$$\frac{{n_1}^2 - n_1 + 1}{n_3 - n_2 + n_1\cdot n_2 - {n_1}^2\cdot n_2 + {n_1}^2\cdot n_3} - D = 0.00000$$



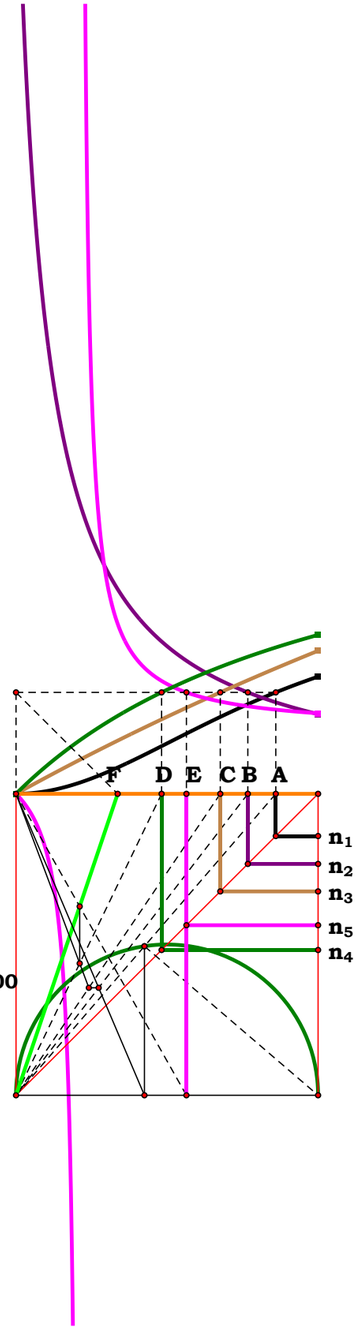
3OBT5R8.docx

Unit = 1.00000
A = 0.86000
B = 0.76745
C = 0.67625
D = 0.48191
E = 0.56412
F = 0.33651

n_1 = 1.16279
n_2 = 1.30302
n_3 = 1.47874
n_4 = 2.07507
n_5 = 1.77269

$$\frac{A^2 \cdot C \cdot D \cdot E}{A^2 \cdot (C \cdot E - C \cdot D + B \cdot D \cdot E) + B \cdot D \cdot E} - F = 0.00000$$

$$\frac{n_2}{n_1{}^2 \cdot n_3 + n_2 \cdot n_4 - n_2 \cdot n_5 + n_3} - F = 0.00000$$

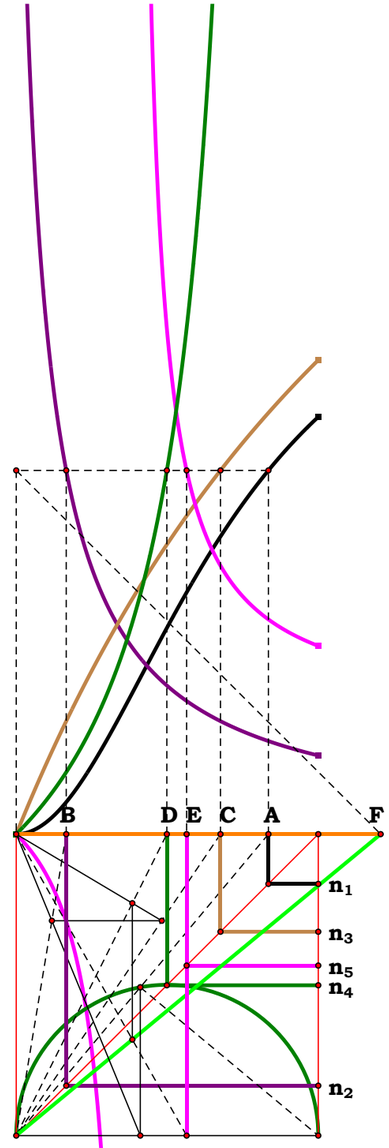


Unit = 1.00000
A = 0.83492
B = 0.16555
C = 0.67625
D = 0.49863
E = 0.56412
F = 1.20656

n_1 = 1.19772
n_2 = 6.04040
n_3 = 1.47874
n_4 = 2.00550
n_5 = 1.77269

$$\frac{A^2 \cdot C \cdot D \cdot E}{A^2 \cdot (C \cdot E - C \cdot D + B \cdot D \cdot E) + B \cdot D \cdot E} - F = 0.00000$$

$$\frac{n_2}{n_1{}^2 \cdot n_3 + n_2 \cdot n_4 - n_2 \cdot n_5 + n_3} - F = 0.00000$$



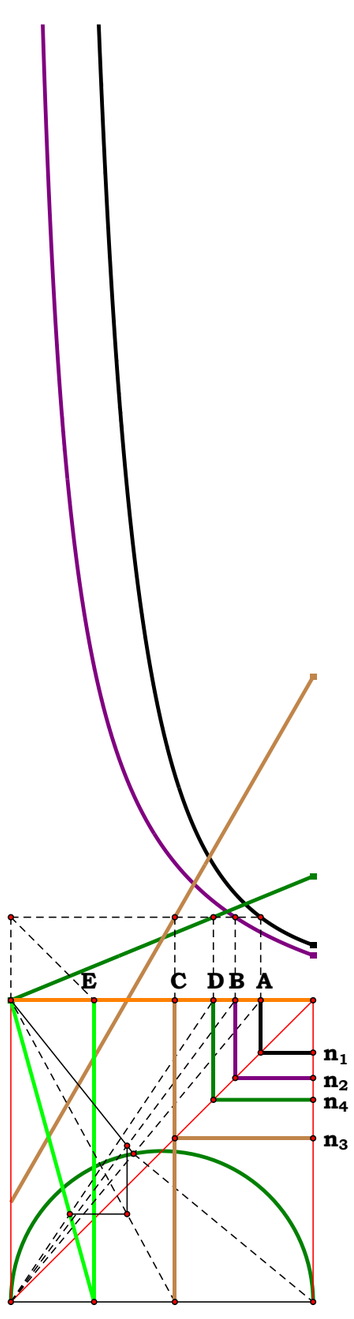
3OBT5R9.docx

Unit = 1.00000
A = 0.82656
B = 0.74237
C = 0.54250
D = 0.67000
E = 0.27535

n_1 = 1.20983
n_2 = 1.34704
n_3 = 1.84333
n_4 = 1.49253

$$\frac{D\cdot\left(C\cdot\left(B + A^2\cdot B + A^2 - A\cdot B\right) - A^2\cdot B\right)}{A^2\cdot B} - E = 0.00000$$

$$\frac{n_1^2 - n_1 + n_2 - n_3 + 1}{n_3\cdot n_4} - E = 0.00000$$

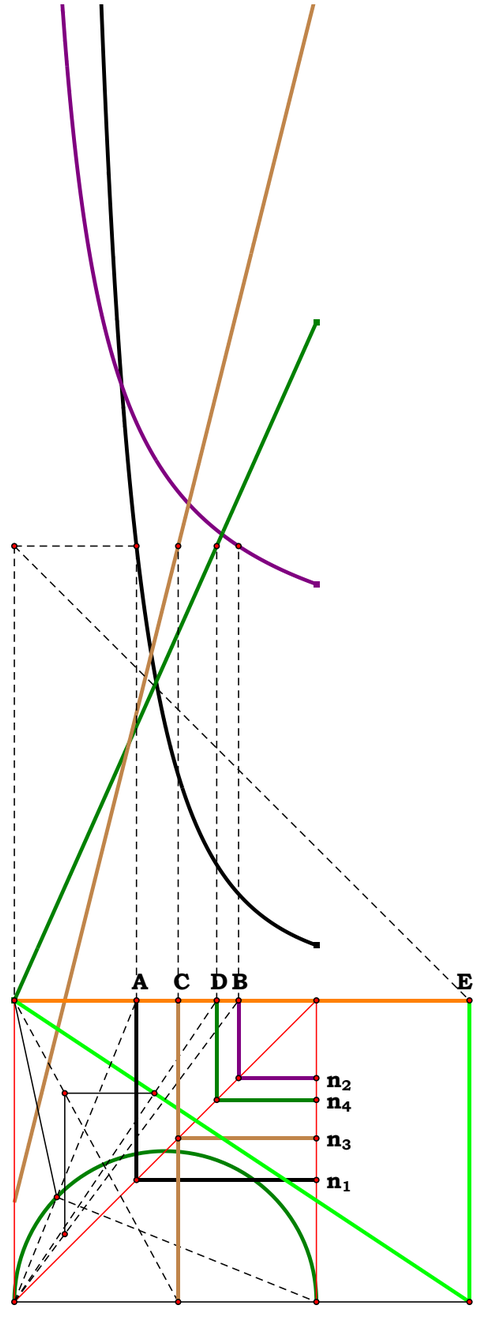


Unit = 1.00000
A = 0.40440
B = 0.74237
C = 0.54250
D = 0.67000
E = 1.50684

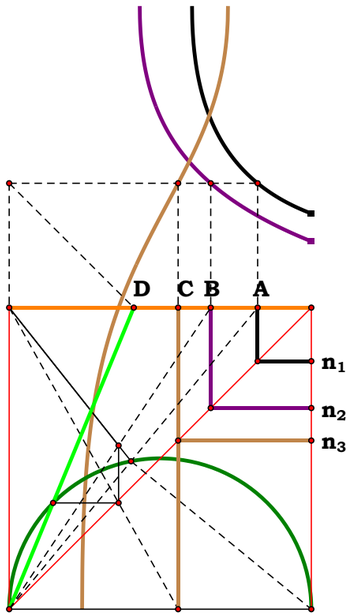
n_1 = 2.47280
n_2 = 1.34704
n_3 = 1.84333
n_4 = 1.49253

$$\frac{D\cdot\left(C\cdot\left(B + A^2\cdot B + A^2 - A\cdot B\right) - A^2\cdot B\right)}{A^2\cdot B} - E = 0.00000$$

$$\frac{n_1^2 - n_1 + n_2 - n_3 + 1}{n_3\cdot n_4} - E = 0.00000$$



3OBT5R10.docx



Unit = 1.00000
A = 0.82238
B = 0.66713
C = 0.55921
D = 0.41241

n_1 = 1.21598
n_2 = 1.49895
n_3 = 1.78822

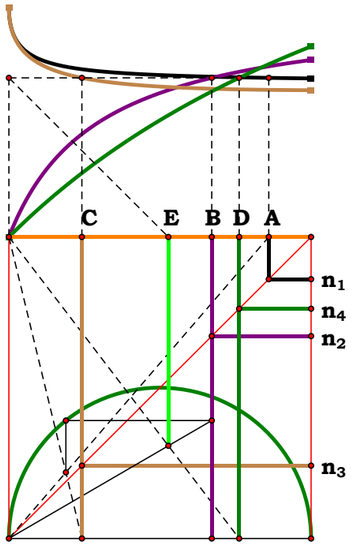
$$\frac{C\cdot\left(A^2+B+A\cdot B\cdot(A-1)\right)-\sqrt{8\cdot A^2\cdot B\cdot C\cdot\left(A^2+B+A\cdot B\cdot(A-1)\right)-4\cdot A^4\cdot B^2-3\cdot C^2\cdot\left(A^2+B+A\cdot B\cdot(A-1)\right)^2}}{2\cdot\left(C\cdot\left(A^2+B+A\cdot B\cdot(A-1)\right)-A^2\cdot B\right)}-D=0.00000$$

$$\frac{\sqrt{{n_1}^4\cdot{n_2}^2\cdot{n_3}^2}\cdot\left(\left({n_1}^2-n_1+n_2+1\right)\cdot\sqrt{{n_1}^4\cdot{n_2}^2\cdot{n_3}^2}-{n_1}^2\cdot n_2\cdot n_3\cdot\sqrt{\left(3\cdot{n_1}^2-3\cdot n_1+3\cdot n_2-2\cdot n_3+3\right)\cdot\left({n_1}-{n_1}^2-n_2+2\cdot n_3-1\right)}\right)}{2\cdot{n_1}^4\cdot{n_2}^2\cdot{n_3}^2\cdot\left({n_1}^2-n_1+n_2-n_3+1\right)}-D=0.00000$$

3OBT6R0.docx

Unit = 1.00000
A = 0.86000
B = 0.67131
C = 0.24155
D = 0.76196
E = 0.52767

n_1 = 1.16279
n_2 = 1.48962
n_3 = 4.13998
n_4 = 1.31241

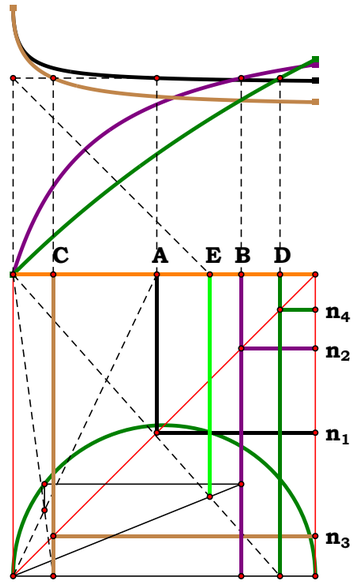


$$\frac{B\cdot D\cdot(A+C)}{A\cdot B+B\cdot C+D\cdot\sqrt{A\cdot C\cdot(A+C-A\cdot C)}}-E=0.00000$$

$$\frac{(n_1+n_3)\cdot\sqrt{n_1^2\cdot n_3^2}}{(n_1\cdot n_4+n_3\cdot n_4)\cdot\sqrt{n_1^2\cdot n_3^2}+n_1\cdot n_2\cdot n_3\cdot\sqrt{n_1+n_3-1}}-E=0.00000$$

Unit = 1.00000
A = 0.47546
B = 0.75491
C = 0.13287
D = 0.88317
E = 0.65088

n_1 = 2.10324
n_2 = 1.32466
n_3 = 7.52607
n_4 = 1.13228



$$\frac{B\cdot D\cdot(A+C)}{A\cdot B+B\cdot C+D\cdot\sqrt{A\cdot C\cdot(A+C-A\cdot C)}}-E=0.00000$$

$$\frac{(n_1+n_3)\cdot\sqrt{n_1^2\cdot n_3^2}}{(n_1\cdot n_4+n_3\cdot n_4)\cdot\sqrt{n_1^2\cdot n_3^2}+n_1\cdot n_2\cdot n_3\cdot\sqrt{n_1+n_3-1}}-E=0.00000$$

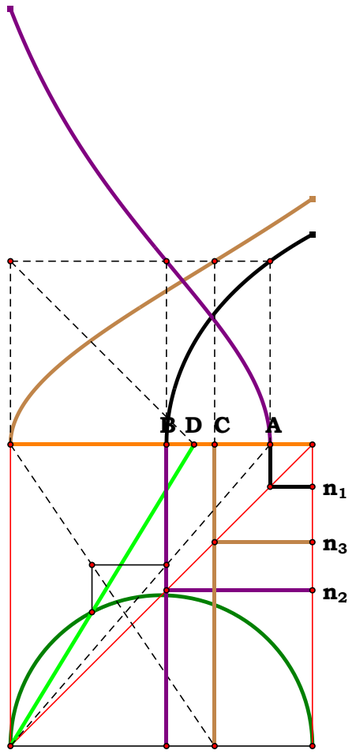
3OBT6R1.docx

Unit = 1.00000
A = 0.86000
B = 0.51666
C = 0.67625
D = 0.60814

n_1 = 1.16279
n_2 = 1.93552
n_3 = 1.47874

$$\frac{A\cdot C\cdot(A-B)}{A\cdot\sqrt{C\cdot(A-B)\cdot(A-A\cdot C+B\cdot C)}}-D=0.00000$$

$$\frac{(n_2-n_1)\cdot\sqrt{n_1^2\cdot n_2^2\cdot n_3^2}}{n_1\cdot n_2\cdot n_3\cdot\sqrt{(n_2-n_1)\cdot(n_1-n_2+n_2\cdot n_3)}}-D=0.00000$$

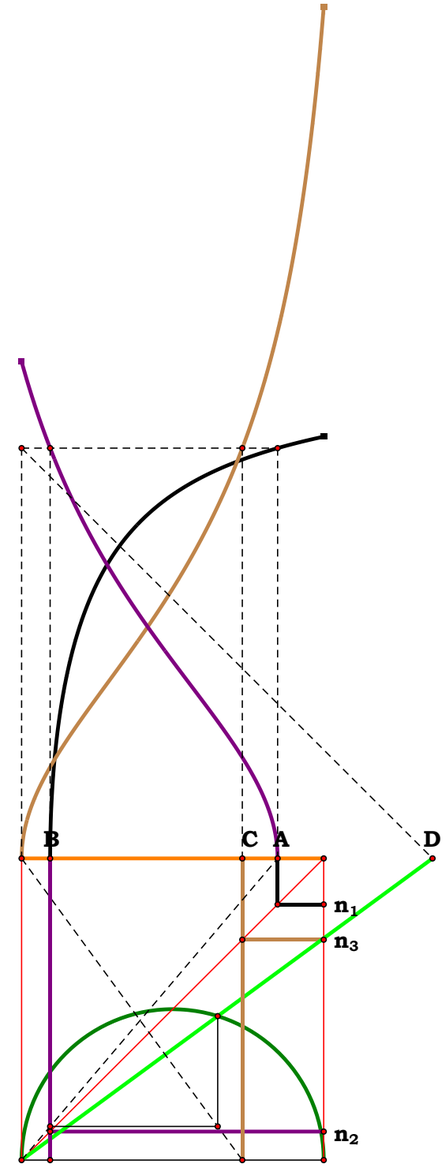


Unit = 1.00000
A = 0.84746
B = 0.09449
C = 0.73059
D = 1.36015

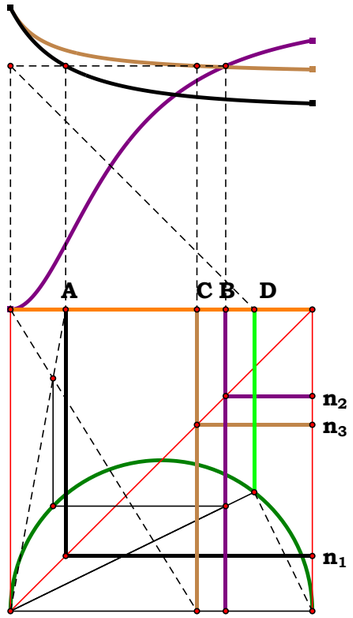
n_1 = 1.17999
n_2 = 10.58259
n_3 = 1.36876

$$\frac{A\cdot C\cdot(A-B)}{A\cdot\sqrt{C\cdot(A-B)\cdot(A-A\cdot C+B\cdot C)}}-D=0.00000$$

$$\frac{(n_2-n_1)\cdot\sqrt{n_1^2\cdot n_2^2\cdot n_3^2}}{n_1\cdot n_2\cdot n_3\cdot\sqrt{(n_2-n_1)\cdot(n_1-n_2+n_2\cdot n_3)}}-D=0.00000$$



3OBT6R2.docx

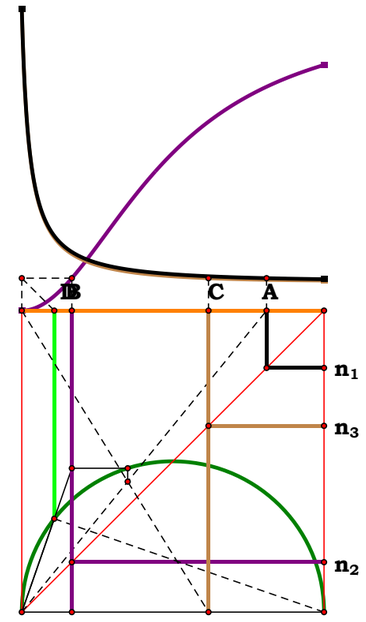


Unit = 1.00000
A = 0.18287
B = 0.71311
C = 0.61773
D = 0.80755

n_1 = 5.46842
n_2 = 1.40231
n_3 = 1.61882

$$\frac{B^2\cdot(A + C)^2}{A^2\cdot\left(B^2 - C^2 + C\right) + A\cdot\left(2\cdot B^2\cdot C + C^2\right) + B^2\cdot C^2} - D = 0.00000$$

$$\frac{(n_1 + n_3)^2}{n_1{}^2 + n_1\cdot n_2{}^2 + 2\cdot n_1\cdot n_3 + n_2{}^2\cdot n_3 - n_2{}^2 + n_3{}^2} - D = 0.00000$$



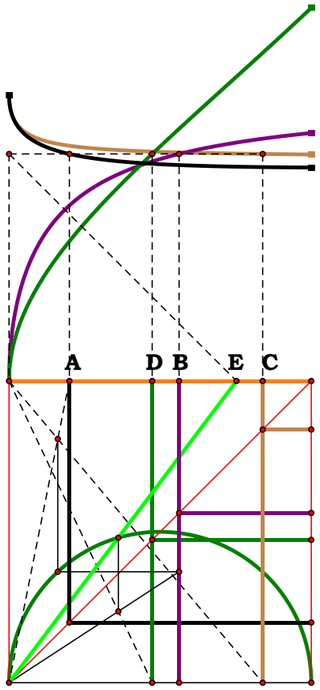
Unit = 1.00000
A = 0.80984
B = 0.16555
C = 0.61773
D = 0.10746

n_1 = 1.23481
n_2 = 6.04040
n_3 = 1.61882

$$\frac{B^2\cdot(A + C)^2}{A^2\cdot\left(B^2 - C^2 + C\right) + A\cdot\left(2\cdot B^2\cdot C + C^2\right) + B^2\cdot C^2} - D = 0.00000$$

$$\frac{(n_1 + n_3)^2}{n_1{}^2 + n_1\cdot n_2{}^2 + 2\cdot n_1\cdot n_3 + n_2{}^2\cdot n_3 - n_2{}^2 + n_3{}^2} - D = 0.00000$$

3OBT6R3.docx

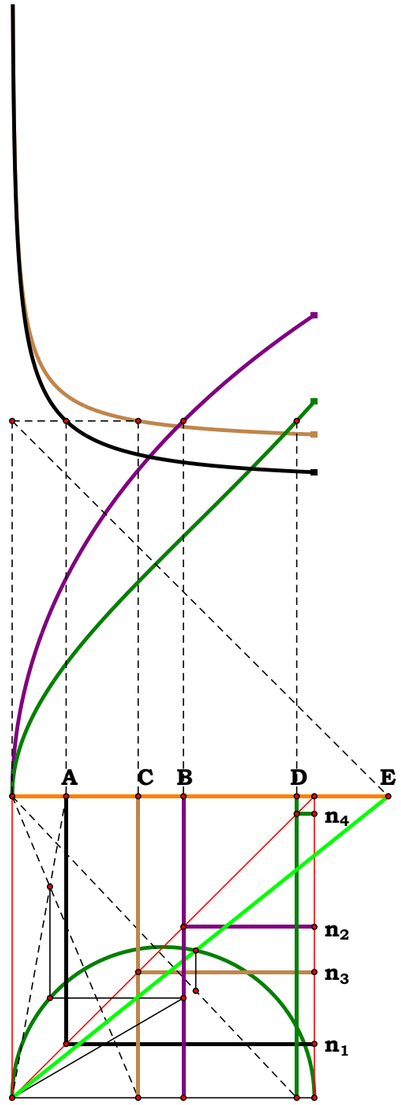


Unit = 1.00000
A = 0.19959
B = 0.56264
C = 0.83926
D = 0.47355
E = 0.75264

$n_1 = 5.01033$
$n_2 = 1.77735$
$n_3 = 1.19152$
$n_4 = 2.11171$

$$\frac{B\cdot D\cdot\sqrt{A + C}}{\sqrt{B\cdot D\cdot(A\cdot B + B\cdot C + D\cdot\sqrt{A\cdot C\cdot(A + C - A\cdot C)} - B\cdot D\cdot(A + C))}} - E = 0.00000$$

$$\frac{\sqrt{n_1 + n_3}\cdot\sqrt{n_1\cdot n_2^2\cdot n_3\cdot n_4^2}}{n_2\cdot n_4\cdot\sqrt{n_1\cdot n_3^2\cdot n_4 - n_1^2\cdot n_3 - n_1\cdot n_3^2 + n_1^2\cdot n_3\cdot n_4 + n_2\cdot\sqrt{n_1 + n_3 - 1}\cdot\sqrt{n_1^2\cdot n_3^2}}} - E = 0.00000$$



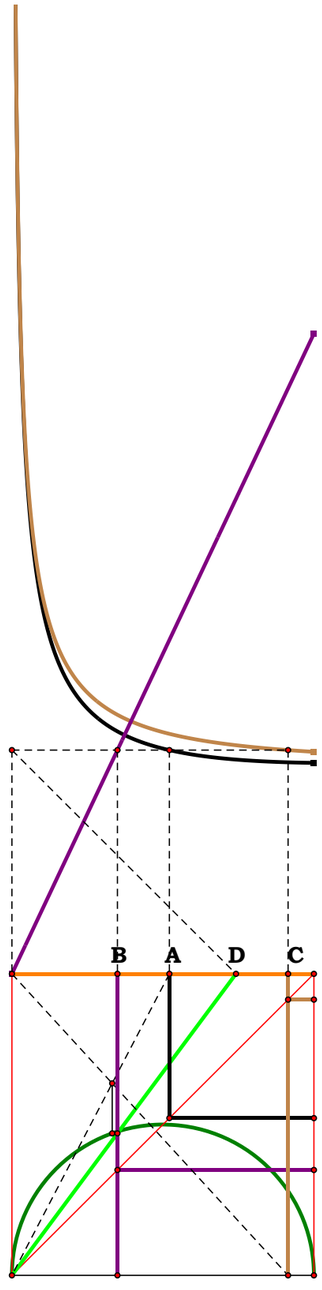
Unit = 1.00000
A = 0.17869
B = 0.56682
C = 0.41710
D = 0.94169
E = 1.24459

$n_1 = 5.59634$
$n_2 = 1.76424$
$n_3 = 2.39751$
$n_4 = 1.06192$

$$\frac{B\cdot D\cdot\sqrt{A + C}}{\sqrt{B\cdot D\cdot(A\cdot B + B\cdot C + D\cdot\sqrt{A\cdot C\cdot(A + C - A\cdot C)} - B\cdot D\cdot(A + C))}} - E = 0.00000$$

$$\frac{\sqrt{n_1 + n_3}\cdot\sqrt{n_1\cdot n_2^2\cdot n_3\cdot n_4^2}}{n_2\cdot n_4\cdot\sqrt{n_1\cdot n_3^2\cdot n_4 - n_1^2\cdot n_3 - n_1\cdot n_3^2 + n_1^2\cdot n_3\cdot n_4 + n_2\cdot\sqrt{n_1 + n_3 - 1}\cdot\sqrt{n_1^2\cdot n_3^2}}} - E = 0.00000$$

3OBT6R4.docx

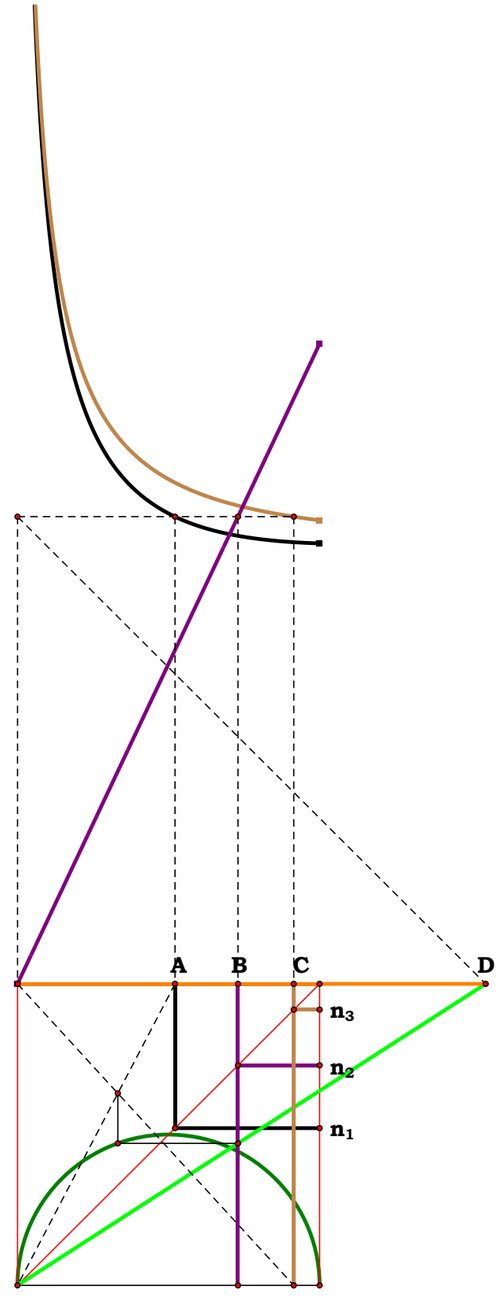


Unit = 1.00000
A = 0.52143
B = 0.34946
C = 0.91450
D = 0.74202

n_1 = 1.91779
n_2 = 2.86152
n_3 = 1.09349

$$\frac{B\cdot(A+C)}{\sqrt{A\cdot C\cdot(A+C-A\cdot C)}} - D = 0.00000$$

$$\frac{(n_1+n_3)\cdot\sqrt{n_1^2\cdot n_3^2}}{n_1\cdot n_2\cdot n_3\cdot\sqrt{n_1+n_3-1}} - D = 0.00000$$



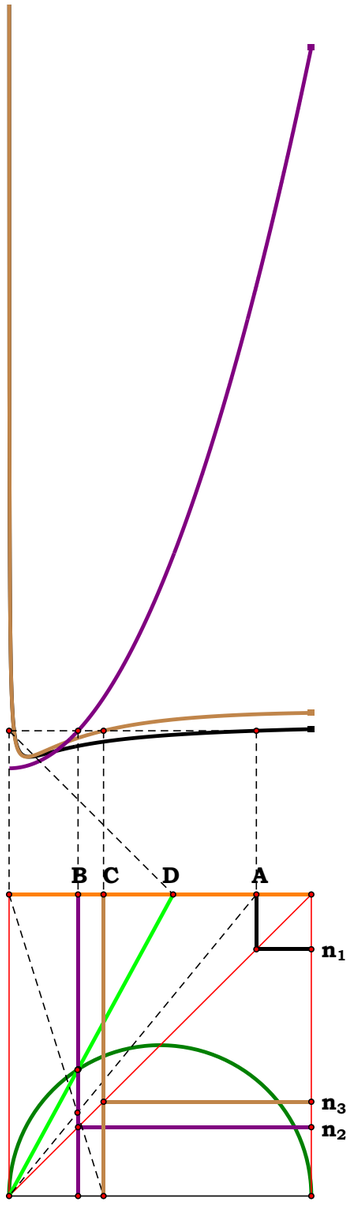
Unit = 1.00000
A = 0.52143
B = 0.72983
C = 0.91450
D = 1.54966

n_1 = 1.91779
n_2 = 1.37018
n_3 = 1.09349

$$\frac{B\cdot(A+C)}{\sqrt{A\cdot C\cdot(A+C-A\cdot C)}} - D = 0.00000$$

$$\frac{(n_1+n_3)\cdot\sqrt{n_1^2\cdot n_3^2}}{n_1\cdot n_2\cdot n_3\cdot\sqrt{n_1+n_3-1}} - D = 0.00000$$

3OBT6R5.docx

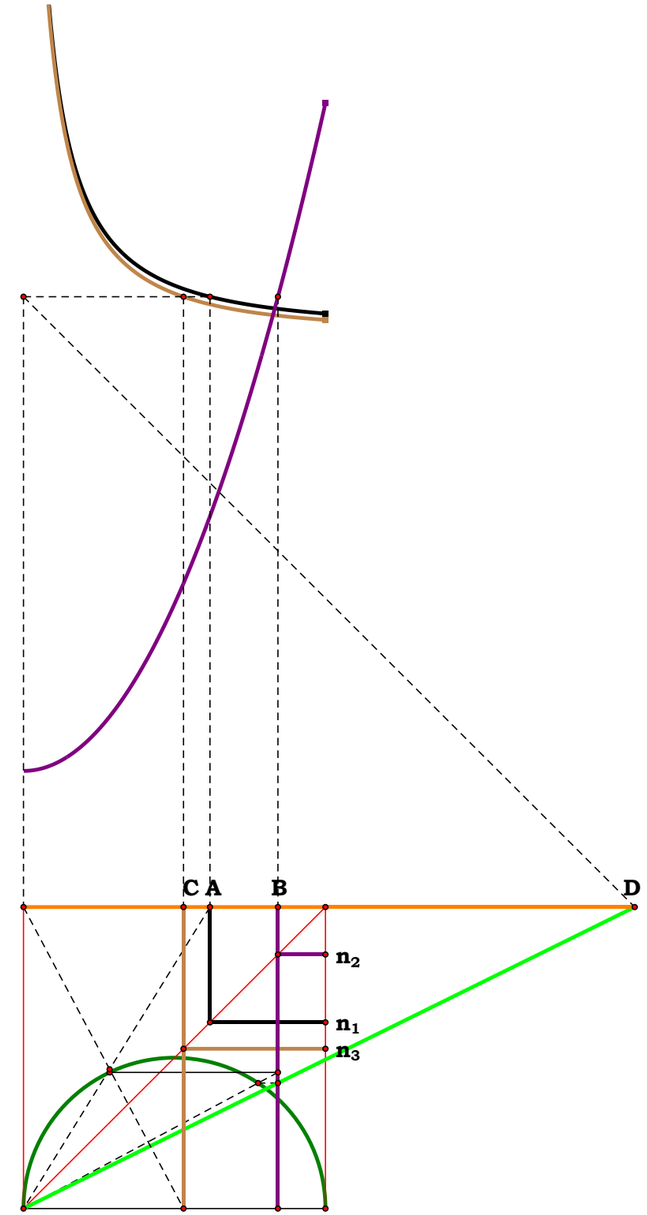


Unit = 1.00000
A = 0.81820
B = 0.22825
C = 0.31260
D = 0.54289

n_1 = 1.22219
n_2 = 4.38117
n_3 = 3.19893

$$\frac{B^2\cdot(A+C)^2+A\cdot C\cdot(A+C-A\cdot C)}{(A+C)\cdot\sqrt{A\cdot C\cdot(A+C-A\cdot C)}}-D=0.00000$$

$$\frac{\sqrt{n_1^2\cdot n_3^2}\cdot\left(n_1^2+n_1\cdot n_2^2+2\cdot n_1\cdot n_3+n_2^2\cdot n_3-n_2^2+n_3^2\right)}{n_1\cdot n_2^2\cdot n_3\cdot(n_1+n_3)\cdot\sqrt{n_1+n_3-1}}-D=0.00000$$



Unit = 1.00000
A = 0.61757
B = 0.84268
C = 0.52996
D = 2.02426

n_1 = 1.61925
n_2 = 1.18668
n_3 = 1.88695

$$\frac{B^2\cdot(A+C)^2+A\cdot C\cdot(A+C-A\cdot C)}{(A+C)\cdot\sqrt{A\cdot C\cdot(A+C-A\cdot C)}}-D=0.00000$$

$$\frac{\sqrt{n_1^2\cdot n_3^2}\cdot\left(n_1^2+n_1\cdot n_2^2+2\cdot n_1\cdot n_3+n_2^2\cdot n_3-n_2^2+n_3^2\right)}{n_1\cdot n_2^2\cdot n_3\cdot(n_1+n_3)\cdot\sqrt{n_1+n_3-1}}-D=0.00000$$

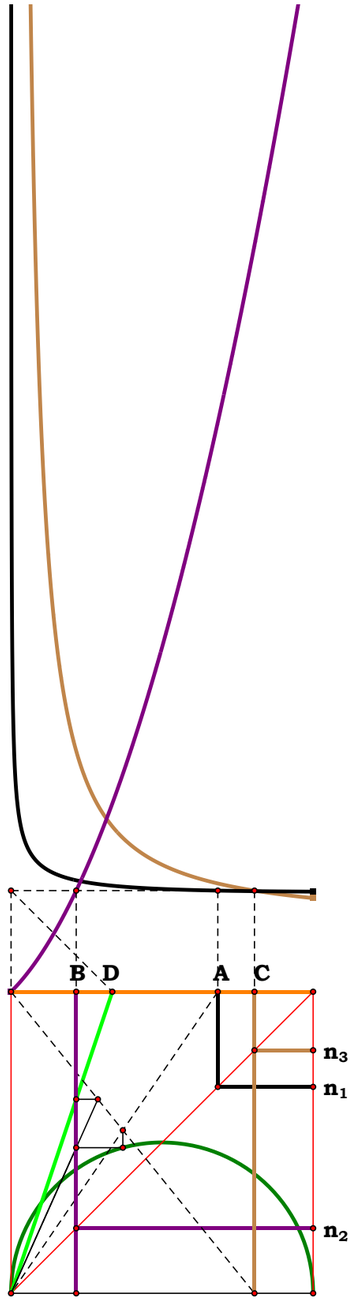
3OBT6R6.docx

Unit = 1.00000
A = 0.68445
B = 0.21571
C = 0.80582
D = 0.33530

n_1 = 1.46103
n_2 = 4.63586
n_3 = 1.24097

$$\frac{B\cdot(A\cdot B + B\cdot C + C\cdot\sqrt{A\cdot C\cdot(A + C - A\cdot C)})}{C\cdot\sqrt{A\cdot C\cdot(A + C - A\cdot C)}} - D = 0.00000$$

$$\frac{(n_1 + n_3)\cdot\sqrt{n_1^2\cdot n_3^2} + n_1\cdot n_2\cdot\sqrt{n_1 + n_3 - 1}}{n_1\cdot n_2^2\cdot\sqrt{n_1 + n_3 - 1}} - D = 0.00000$$

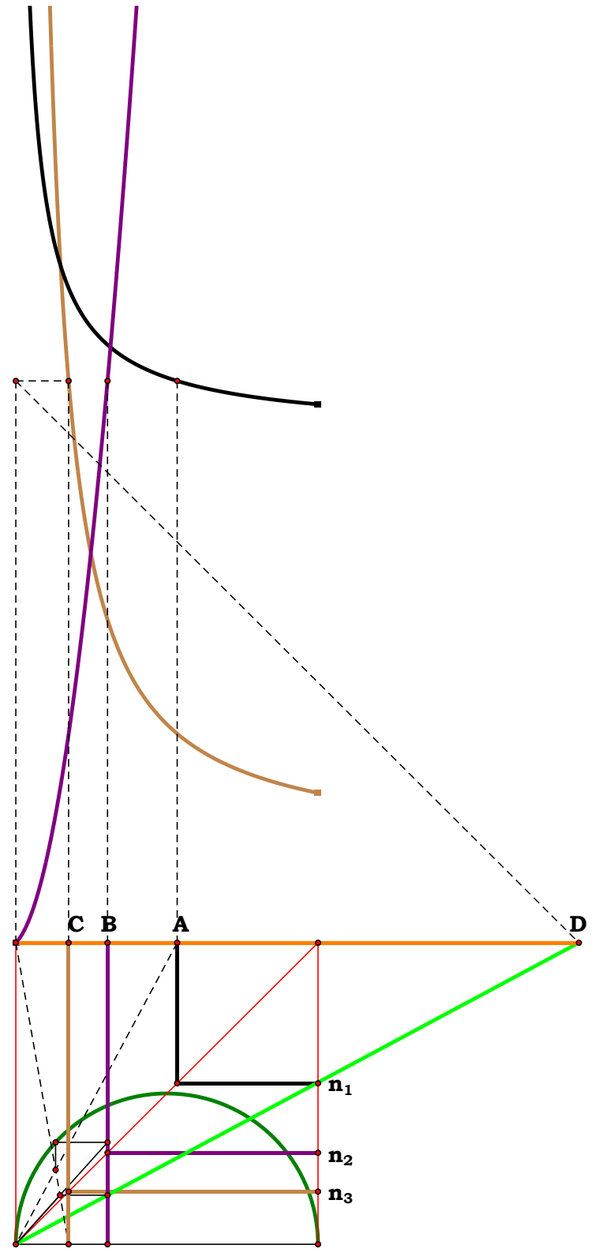


Unit = 1.00000
A = 0.53397
B = 0.30349
C = 0.17467
D = 1.86322

n_1 = 1.87275
n_2 = 3.29504
n_3 = 5.72509

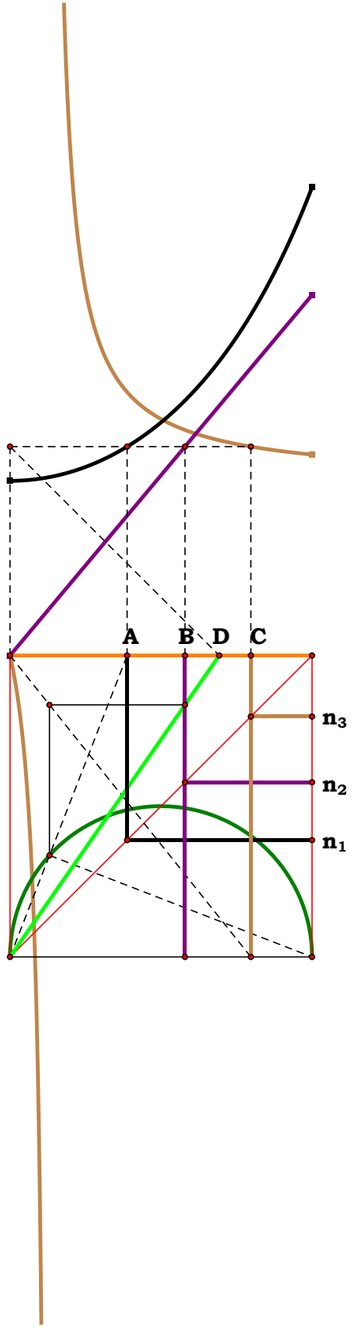
$$\frac{B\cdot(A\cdot B + B\cdot C + C\cdot\sqrt{A\cdot C\cdot(A + C - A\cdot C)})}{C\cdot\sqrt{A\cdot C\cdot(A + C - A\cdot C)}} - D = 0.00000$$

$$\frac{(n_1 + n_3)\cdot\sqrt{n_1^2\cdot n_3^2} + n_1\cdot n_2\cdot\sqrt{n_1 + n_3 - 1}}{n_1\cdot n_2^2\cdot\sqrt{n_1 + n_3 - 1}} - D = 0.00000$$



3OBT6R7.docx

Unit = 1.00000
A = 0.38768
B = 0.57936
C = 0.79746
D = 0.69288

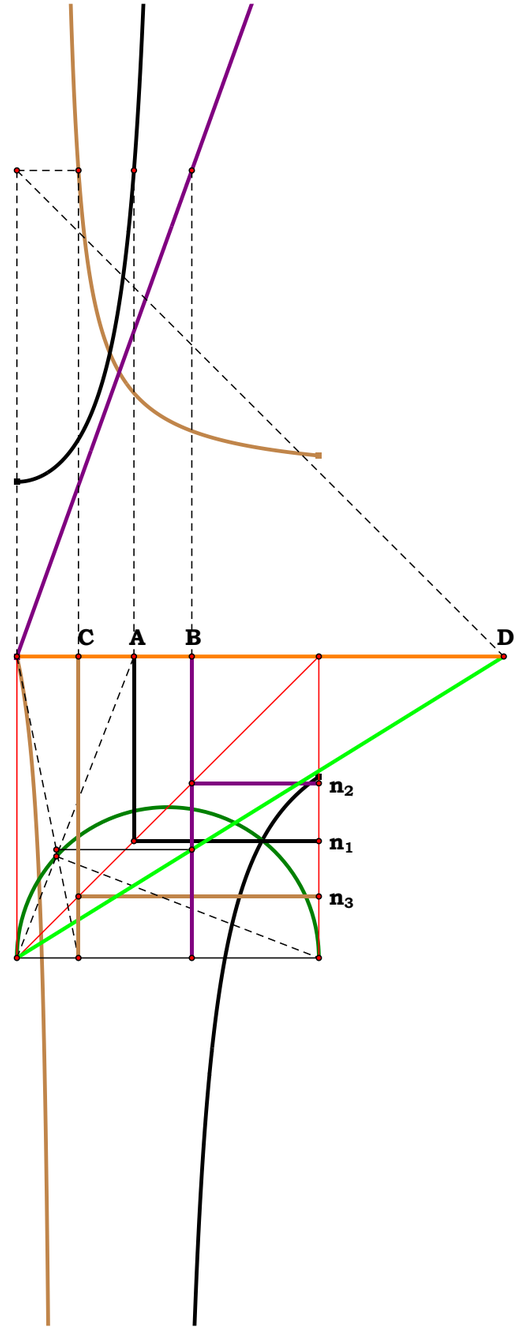


$n_1 = 2.57945$
$n_2 = 1.72606$
$n_3 = 1.25397$

$$\frac{B \cdot C \cdot (A^2 + 1)}{A^2 \cdot C - A^2 + C} - D = 0.00000$$

$$\frac{n_1^2 + 1}{n_1^2 \cdot n_2 + n_2 - n_2 \cdot n_3} - D = 0.00000$$

Unit = 1.00000
A = 0.38768
B = 0.57936
C = 0.20393
D = 1.61248



$n_1 = 2.57945$
$n_2 = 1.72606$
$n_3 = 4.90367$

$$\frac{B \cdot C \cdot (A^2 + 1)}{A^2 \cdot C - A^2 + C} - D = 0.00000$$

$$\frac{n_1^2 + 1}{n_1^2 \cdot n_2 + n_2 - n_2 \cdot n_3} - D = 0.00000$$

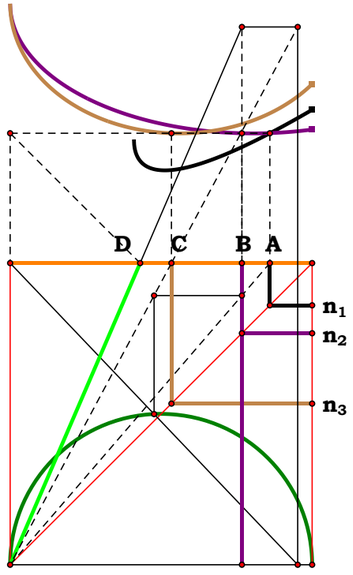
3OBT7R0.docx

Unit = 1.00000
A = 0.86000
B = 0.76745
C = 0.53414
D = 0.43047

n_1 = 1.16279
n_2 = 1.30302
n_3 = 1.87218

$$A - \sqrt{A \cdot B \cdot C - B^2 \cdot C^2} - D = 0.00000$$

$$\frac{\sqrt{n_1 \cdot n_2^2 \cdot n_3^2} - n_1 \cdot \sqrt{n_2 \cdot n_3 - n_1}}{n_1 \cdot \sqrt{n_1 \cdot n_2^2 \cdot n_3^2}} - D = 0.00000$$

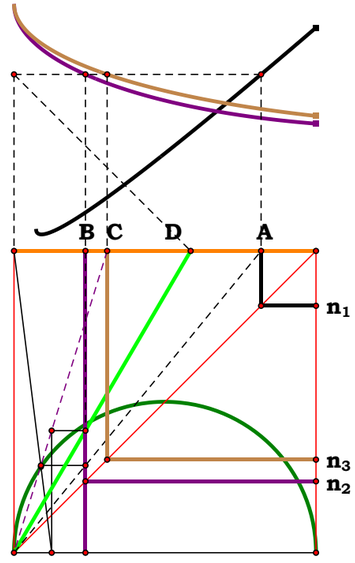


Unit = 1.00000
A = 0.81820
B = 0.23661
C = 0.30842
D = 0.58500

n_1 = 1.22219
n_2 = 4.22638
n_3 = 3.24228

$$A - \sqrt{A \cdot B \cdot C - B^2 \cdot C^2} - D = 0.00000$$

$$\frac{\sqrt{n_1 \cdot n_2^2 \cdot n_3^2} - n_1 \cdot \sqrt{n_2 \cdot n_3 - n_1}}{n_1 \cdot \sqrt{n_1 \cdot n_2^2 \cdot n_3^2}} - D = 0.00000$$



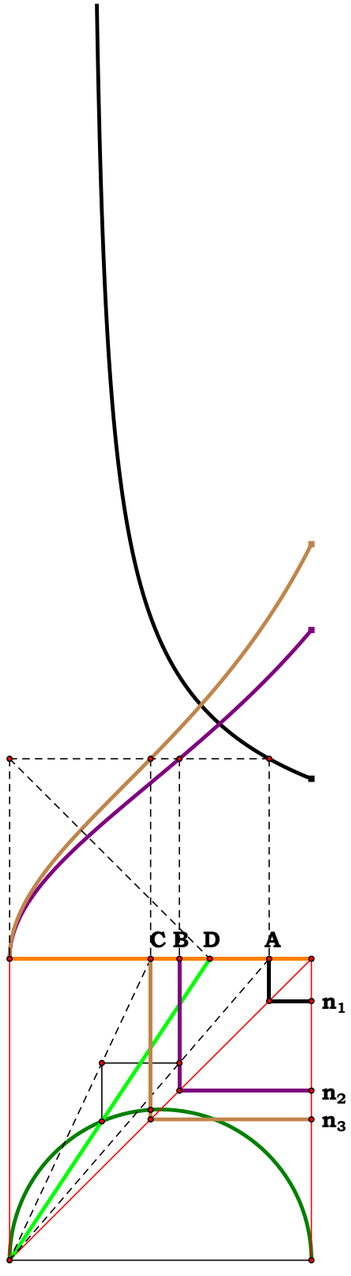
3OBT7R1.docx

Unit = 1.00000
A = 0.86000
B = 0.56264
C = 0.46726
D = 0.66354

n_1 = 1.16279
n_2 = 1.77735
n_3 = 2.14014

$$\frac{B \cdot C}{\sqrt{A \cdot B \cdot C - B^2 \cdot C^2}} = 0.66354$$

$$\frac{\sqrt{n_1 \cdot n_2^2 \cdot n_3^2}}{n_2 \cdot n_3 \cdot \sqrt{n_2 \cdot n_3 - n_1}} = 0.66354$$

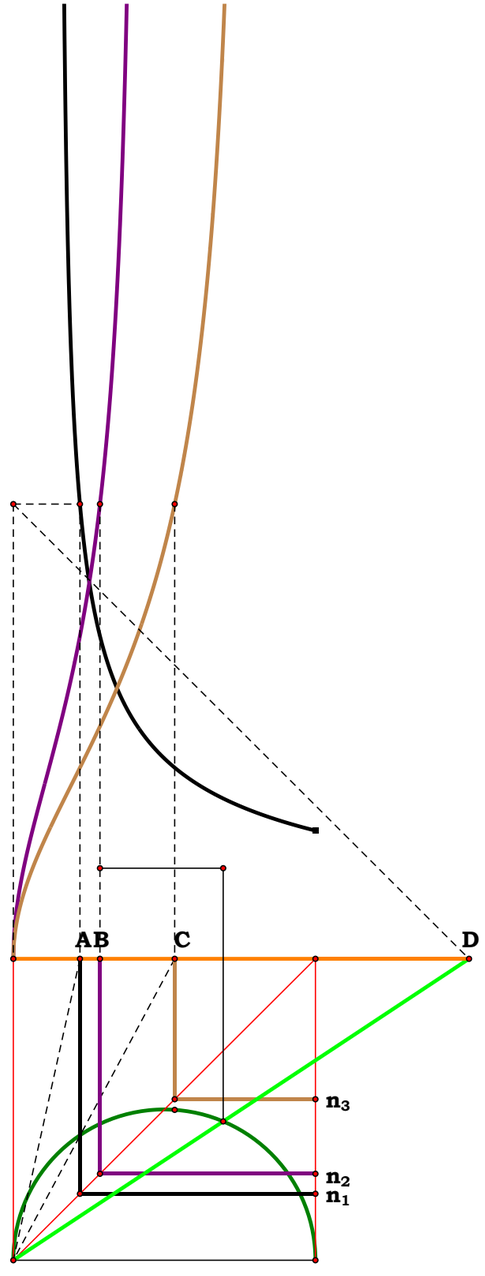


Unit = 1.00000
A = 0.22049
B = 0.28677
C = 0.53414
D = 1.50847

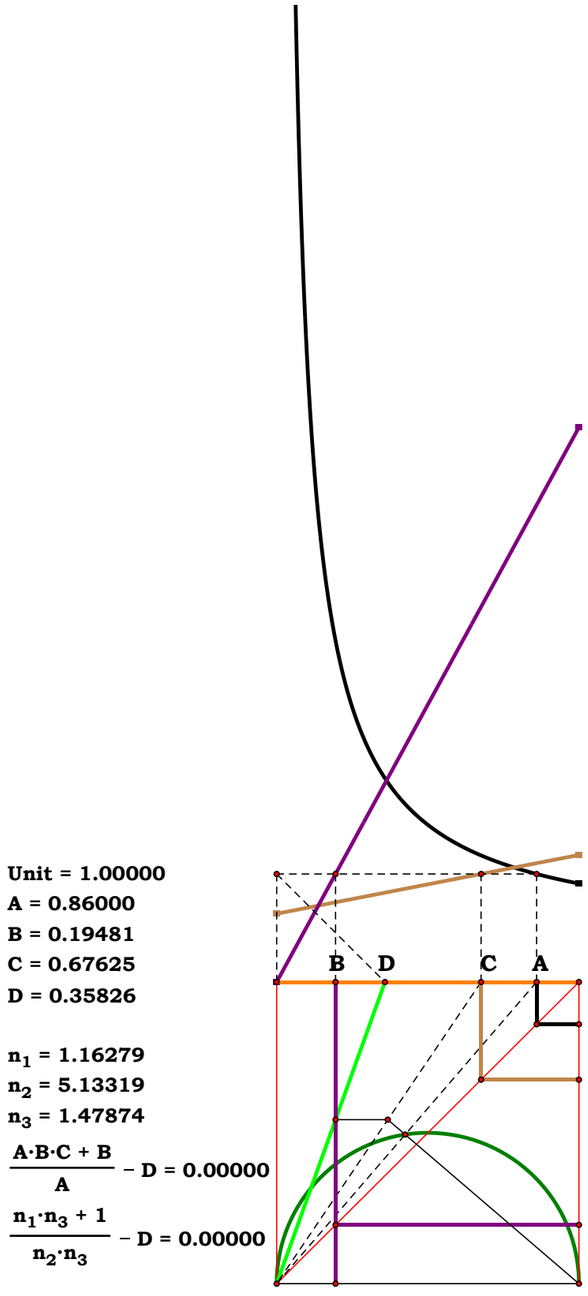
n_1 = 4.53542
n_2 = 3.48715
n_3 = 1.87218

$$\frac{B \cdot C}{\sqrt{A \cdot B \cdot C - B^2 \cdot C^2}} = 1.50847$$

$$\frac{\sqrt{n_1 \cdot n_2^2 \cdot n_3^2}}{n_2 \cdot n_3 \cdot \sqrt{n_2 \cdot n_3 - n_1}} = 1.50847$$



3OBT7R2.docx

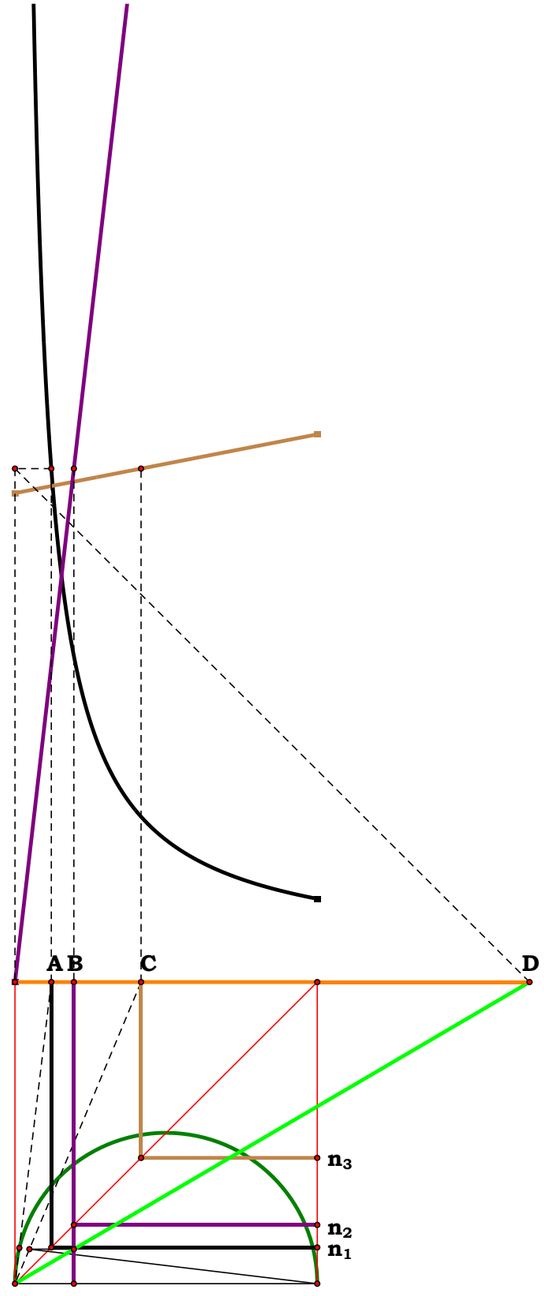


Unit = 1.00000
A = 0.86000
B = 0.19481
C = 0.67625
D = 0.35826

n_1 = 1.16279
n_2 = 5.13319
n_3 = 1.47874

$\frac{A \cdot B \cdot C + B}{A} - D = 0.00000$

$\frac{n_1 \cdot n_3 + 1}{n_2 \cdot n_3} - D = 0.00000$



Unit = 1.00000
A = 0.12017
B = 0.19481
C = 0.41710
D = 1.70237

n_1 = 8.32150
n_2 = 5.13319
n_3 = 2.39751

$\frac{A \cdot B \cdot C + B}{A} - D = 0.00000$

$\frac{n_1 \cdot n_3 + 1}{n_2 \cdot n_3} - D = 0.00000$

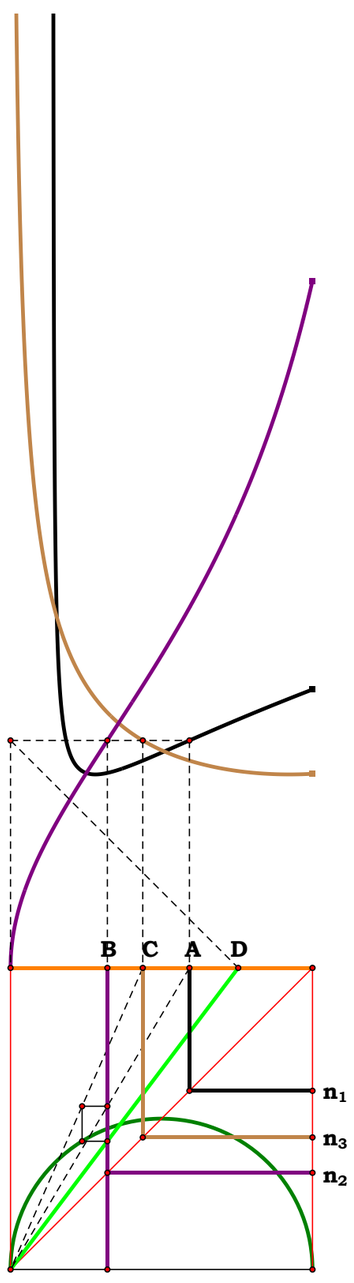
3OBT7R3.docx

Unit = 1.00000
A = 0.59249
B = 0.32070
C = 0.43800
D = 0.75407

n_1 = 1.68779
n_2 = 3.11818
n_3 = 2.28311

$$\frac{A \cdot B}{\sqrt{A \cdot B \cdot C - B^2 \cdot C^2}} - D = 0.00000$$

$$\frac{\sqrt{n_1 \cdot n_2^2 \cdot n_3^2}}{n_1 \cdot n_2 \cdot \sqrt{n_2 \cdot n_3 - n_1}} - D = 0.00000$$

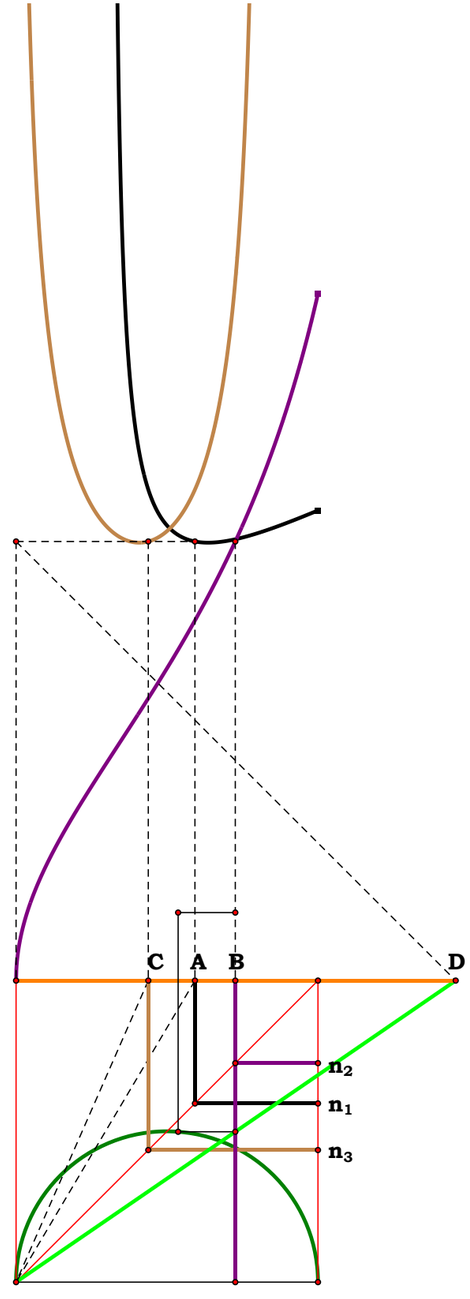


Unit = 1.00000
A = 0.59249
B = 0.72614
C = 0.43800
D = 1.45624

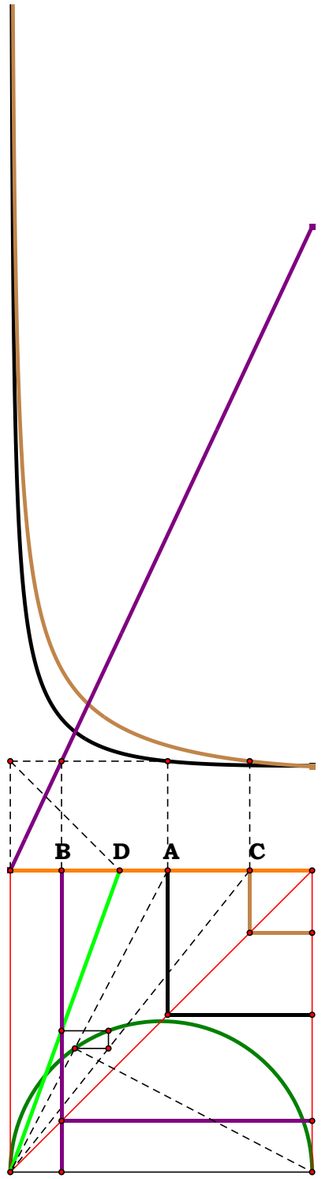
n_1 = 1.68779
n_2 = 1.37714
n_3 = 2.28311

$$\frac{A \cdot B}{\sqrt{A \cdot B \cdot C - B^2 \cdot C^2}} - D = 0.00000$$

$$\frac{\sqrt{n_1 \cdot n_2^2 \cdot n_3^2}}{n_1 \cdot n_2 \cdot \sqrt{n_2 \cdot n_3 - n_1}} - D = 0.00000$$



3OBT7R4.docx

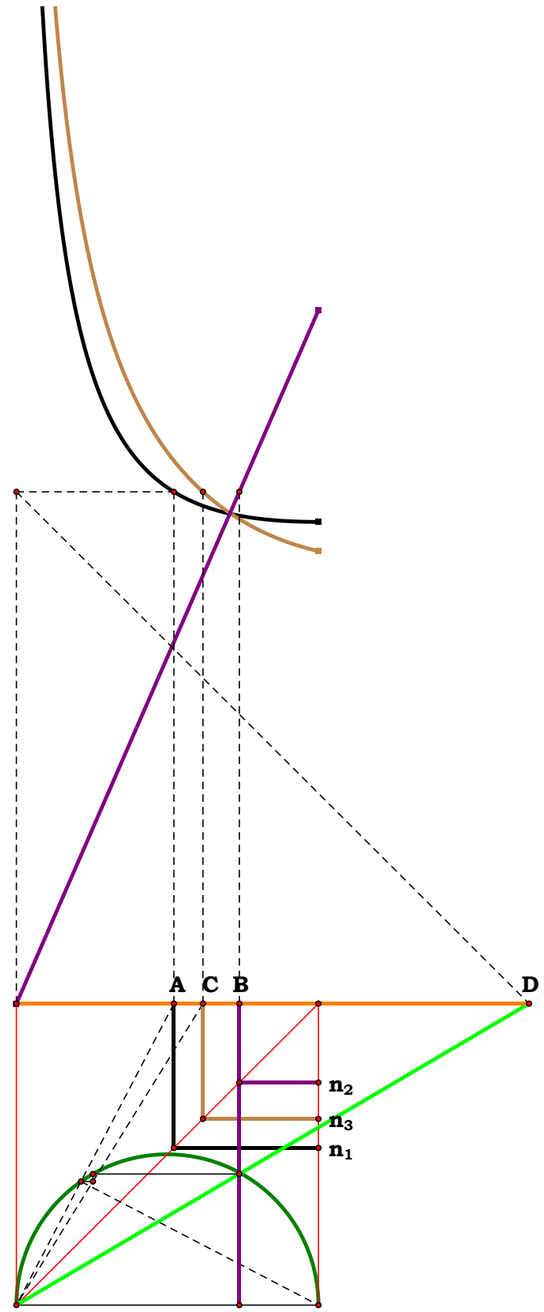


Unit = 1.00000
A = 0.52143
B = 0.16973
C = 0.79328
D = 0.36232

$n_1 = 1.91779$
$n_2 = 5.89165$
$n_3 = 1.26058$

$$\frac{B\cdot(A^2+1)}{\sqrt{A^3\cdot C - A^2\cdot C^2 + A\cdot C}} - D = 0.00000$$

$$\frac{\sqrt{n_1^3\cdot n_3^2}\cdot(n_1^2+1)}{n_1^2\cdot n_2\cdot\sqrt{n_1^2\cdot n_3 - n_1 + n_3}} - D = 0.00000$$



Unit = 1.00000
A = 0.52143
B = 0.73819
C = 0.61773
D = 1.69748

$n_1 = 1.91779$
$n_2 = 1.35467$
$n_3 = 1.61882$

$$\frac{B\cdot(A^2+1)}{\sqrt{A^3\cdot C - A^2\cdot C^2 + A\cdot C}} - D = 0.00000$$

$$\frac{\sqrt{n_1^3\cdot n_3^2}\cdot(n_1^2+1)}{n_1^2\cdot n_2\cdot\sqrt{n_1^2\cdot n_3 - n_1 + n_3}} - D = 0.00000$$

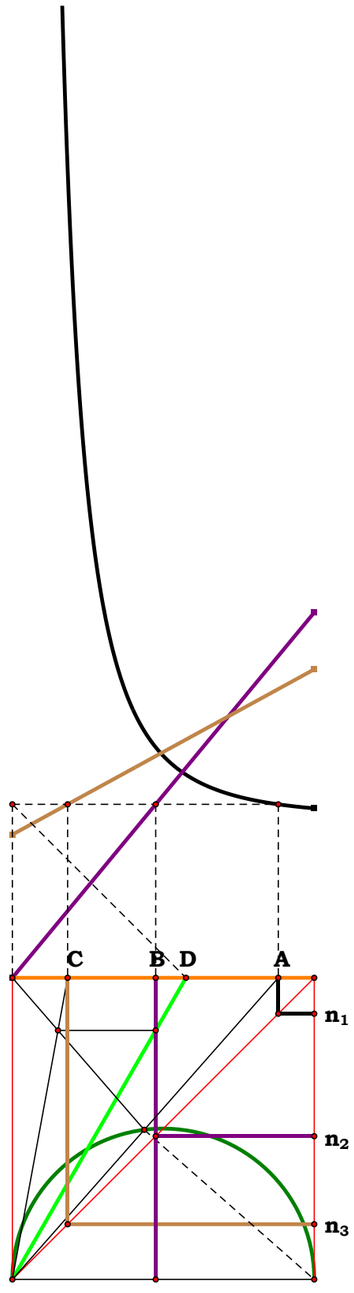
3OBT7R5.docx

Unit = 1.00000
A = 0.88090
B = 0.47486
C = 0.18303
D = 0.57511

n_1 = 1.13520
n_2 = 2.10589
n_3 = 5.46360

$$\frac{A\cdot B\cdot C\cdot(A-1)+B\cdot\left(A^2+C\right)}{A^2}-D=0.00000$$

$$\frac{n_1{}^2-n_1+n_3+1}{n_2\cdot n_3}-D=0.00000$$

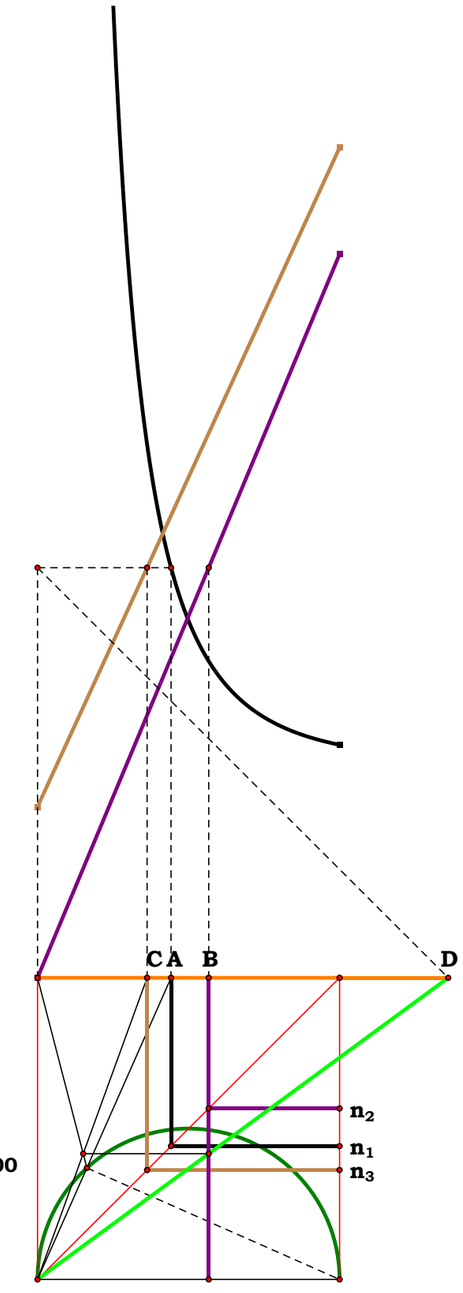


Unit = 1.00000
A = 0.44202
B = 0.56682
C = 0.36276
D = 1.35966

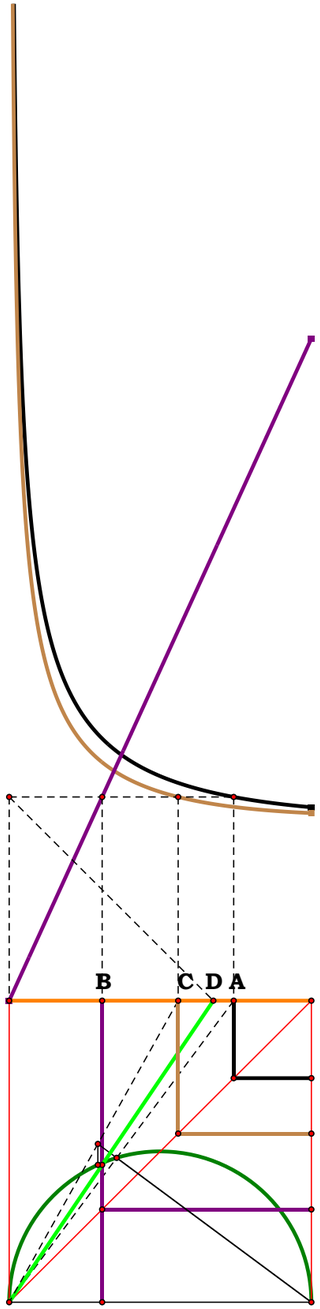
n_1 = 2.26235
n_2 = 1.76424
n_3 = 2.75663

$$\frac{A\cdot B\cdot C\cdot(A-1)+B\cdot\left(A^2+C\right)}{A^2}-D=0.00000$$

$$\frac{n_1{}^2-n_1+n_3+1}{n_2\cdot n_3}-D=0.00000$$



3OBT7R6.docx

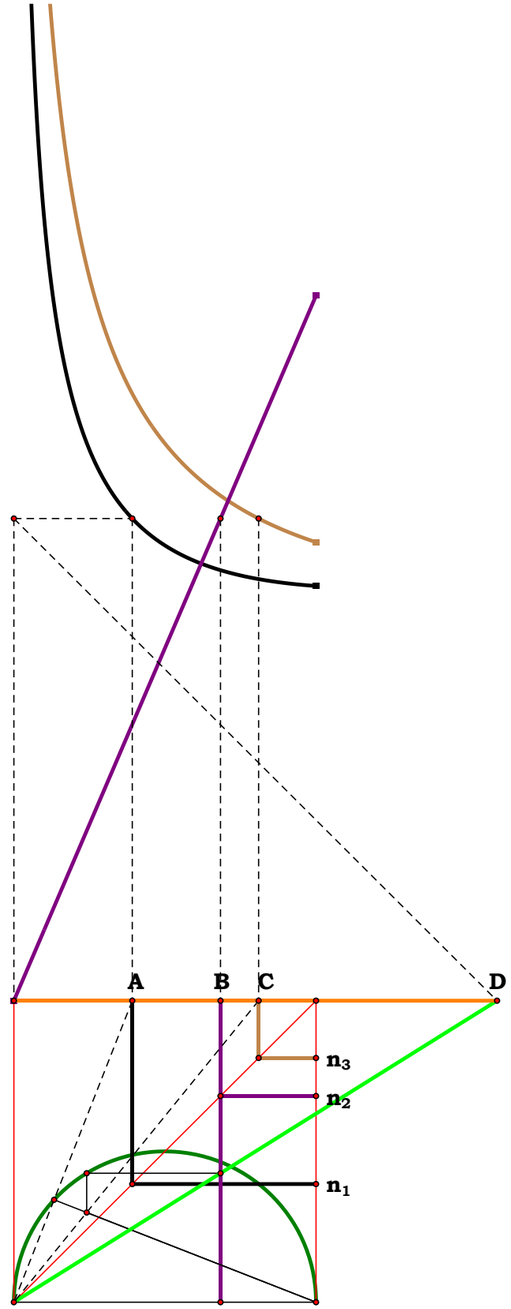


Unit = 1.00000
A = 0.74297
B = 0.30767
C = 0.55921
D = 0.67563

n_1 = 1.34596
n_2 = 3.25028
n_3 = 1.78822

$$\frac{B\cdot(A\cdot C+1)}{\sqrt{A\cdot C}} - D = 0.00000$$

$$\frac{\sqrt{n_1\cdot n_3}\cdot(n_1\cdot n_3+1)}{n_1\cdot n_2\cdot n_3} - D = 0.00000$$



Unit = 1.00000
A = 0.39186
B = 0.68385
C = 0.81000
D = 1.59909

n_1 = 2.55193
n_2 = 1.46231
n_3 = 1.23456

$$\frac{B\cdot(A\cdot C+1)}{\sqrt{A\cdot C}} - D = 0.00000$$

$$\frac{\sqrt{n_1\cdot n_3}\cdot(n_1\cdot n_3+1)}{n_1\cdot n_2\cdot n_3} - D = 0.00000$$

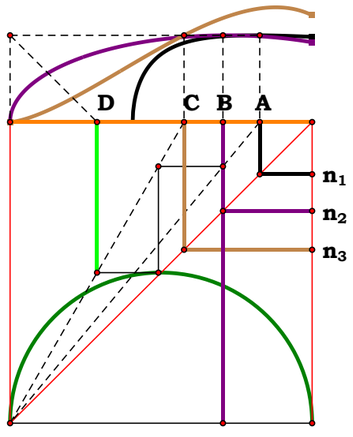
3OBT7R7.docx

Unit = 1.00000
A = 0.82656
B = 0.70475
C = 0.57593
D = 0.28792

n_1 = 1.20983
n_2 = 1.41894
n_3 = 1.73631

$$\frac{C\cdot\sqrt{A\cdot B\cdot C - B^2\cdot C^2}}{A} - D = 0.00000$$

$$\frac{n_1\cdot\sqrt{n_2\cdot n_3 - n_1}}{n_3\cdot\sqrt{n_1\cdot {n_2}^2\cdot {n_3}^2}} - D = 0.00000$$

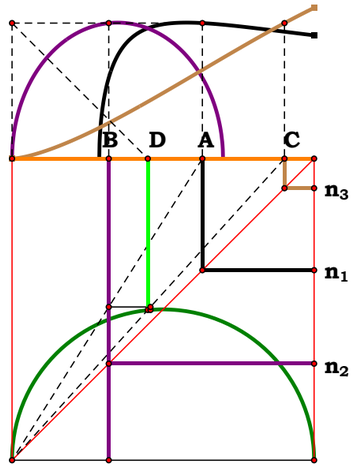


Unit = 1.00000
A = 0.63011
B = 0.32021
C = 0.90196
D = 0.44941

n_1 = 1.58702
n_2 = 3.12299
n_3 = 1.10870

$$\frac{C\cdot\sqrt{A\cdot B\cdot C - B^2\cdot C^2}}{A} - D = 0.00000$$

$$\frac{n_1\cdot\sqrt{n_2\cdot n_3 - n_1}}{n_3\cdot\sqrt{n_1\cdot {n_2}^2\cdot {n_3}^2}} - D = 0.00000$$



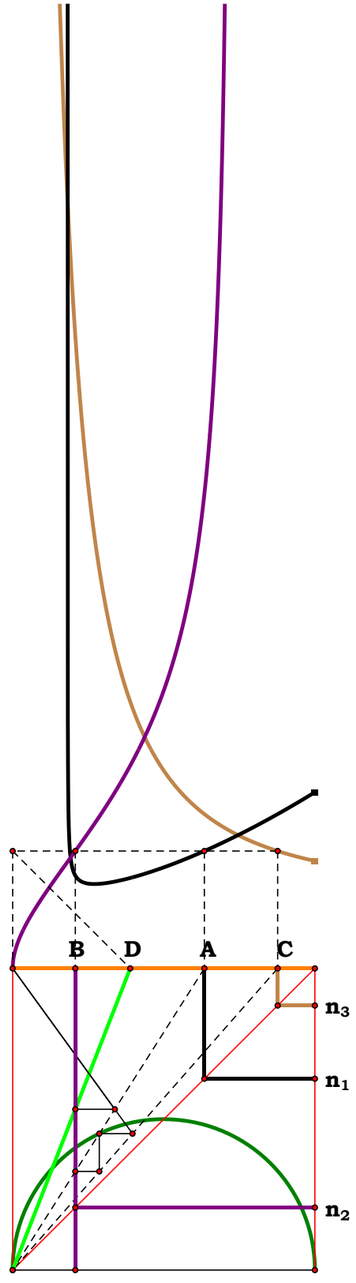
3OBT7R8.docx

Unit = 1.00000
A = 0.63429
B = 0.20735
C = 0.87688
D = 0.38905

$n_1 = 1.57657$
$n_2 = 4.82276$
$n_3 = 1.14040$

$$\frac{A^2 \cdot B - B \cdot (A - C) \cdot \sqrt{A \cdot B \cdot C - B^2 \cdot C^2}}{C \cdot \sqrt{A \cdot B \cdot C - B^2 \cdot C^2}} - D = 0.00000$$

$$\frac{\left(n_1^2 - n_1 \cdot n_3\right) \cdot \sqrt{n_2 \cdot n_3 - n_1} + n_3 \cdot \sqrt{n_1 \cdot n_2^2 \cdot n_3^2}}{n_1^2 \cdot n_2 \cdot \sqrt{n_2 \cdot n_3 - n_1}} - D = 0.00000$$

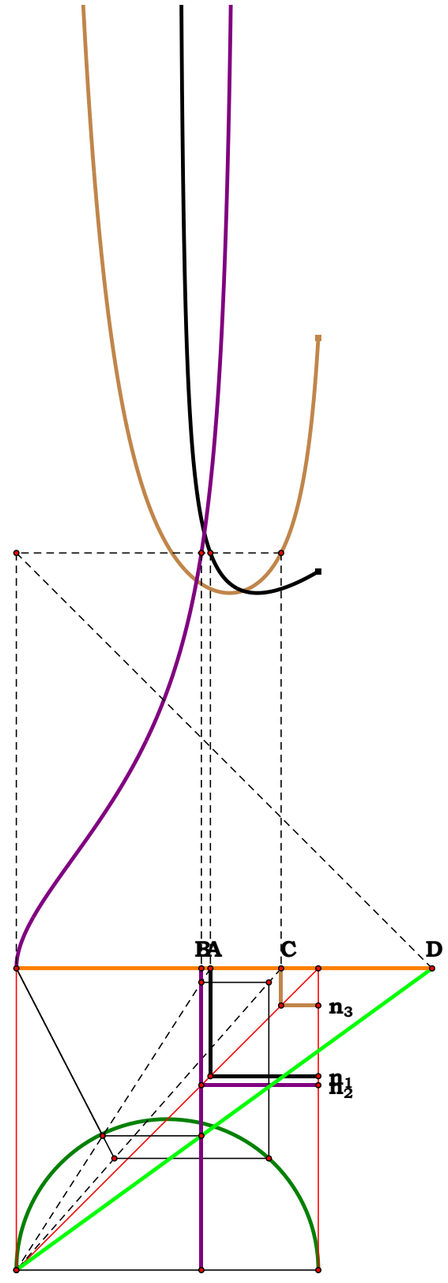


Unit = 1.00000
A = 0.64265
B = 0.61279
C = 0.87688
D = 1.37701

$n_1 = 1.55606$
$n_2 = 1.63187$
$n_3 = 1.14040$

$$\frac{A^2 \cdot B - B \cdot (A - C) \cdot \sqrt{A \cdot B \cdot C - B^2 \cdot C^2}}{C \cdot \sqrt{A \cdot B \cdot C - B^2 \cdot C^2}} - D = 0.00000$$

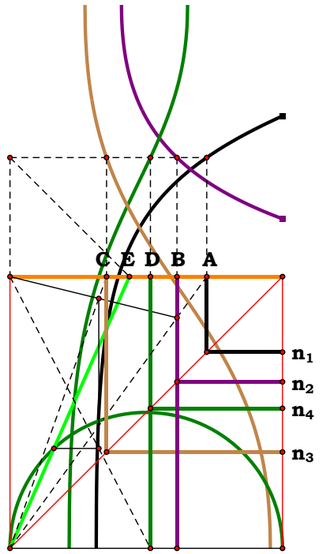
$$\frac{\left(n_1^2 - n_1 \cdot n_3\right) \cdot \sqrt{n_2 \cdot n_3 - n_1} + n_3 \cdot \sqrt{n_1 \cdot n_2^2 \cdot n_3^2}}{n_1^2 \cdot n_2 \cdot \sqrt{n_2 \cdot n_3 - n_1}} - D = 0.00000$$



3OBT8R0.docx

Unit = 1.00000
A = 0.72207
B = 0.61279
C = 0.35440
D = 0.51535
E = 0.43827

n_1 = 1.38491
n_2 = 1.63187
n_3 = 2.82165
n_4 = 1.94043

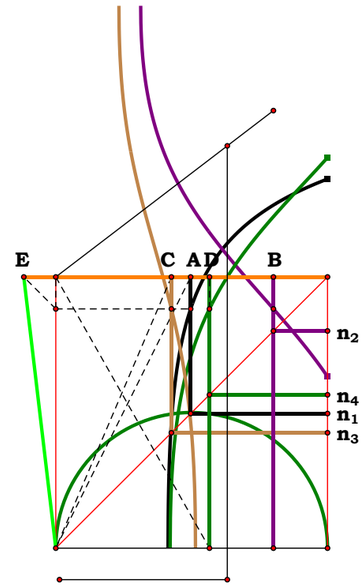


$$\frac{\sqrt{(8\cdot A\cdot B\cdot C\cdot D)\cdot(A\cdot B + A\cdot C - B\cdot C) - (2\cdot A\cdot B\cdot C)^2 - 3\cdot D^2\cdot(A\cdot B + A\cdot C - B\cdot C)^2} + (B\cdot C\cdot D - A\cdot B\cdot D - A\cdot C\cdot D)}{2\cdot(A\cdot B\cdot C - A\cdot B\cdot D - A\cdot C\cdot D + B\cdot C\cdot D)} - E = 0.00000$$

$$\frac{n_1 - n_2 - n_3 + \sqrt{(n_2 - n_1 + n_3 - 2\cdot n_4)\cdot(3\cdot n_1 - 3\cdot n_2 - 3\cdot n_3 + 2\cdot n_4)}}{2\cdot(n_1 - n_2 - n_3 + n_4)} - E = 0.00000$$

Unit = 1.00000
A = 0.49636
B = 0.80089
C = 0.42546
D = 0.56551
E = –0.11774

n_1 = 2.01468
n_2 = 1.24862
n_3 = 2.35040
n_4 = 1.76832



$$\frac{\sqrt{(8\cdot A\cdot B\cdot C\cdot D)\cdot(A\cdot B + A\cdot C - B\cdot C) - (2\cdot A\cdot B\cdot C)^2 - 3\cdot D^2\cdot(A\cdot B + A\cdot C - B\cdot C)^2} + (B\cdot C\cdot D - A\cdot B\cdot D - A\cdot C\cdot D)}{2\cdot(A\cdot B\cdot C - A\cdot B\cdot D - A\cdot C\cdot D + B\cdot C\cdot D)} - E = 0.00000$$

$$\frac{n_1 - n_2 - n_3 + \sqrt{(n_2 - n_1 + n_3 - 2\cdot n_4)\cdot(3\cdot n_1 - 3\cdot n_2 - 3\cdot n_3 + 2\cdot n_4)}}{2\cdot(n_1 - n_2 - n_3 + n_4)} - E = 0.00000$$

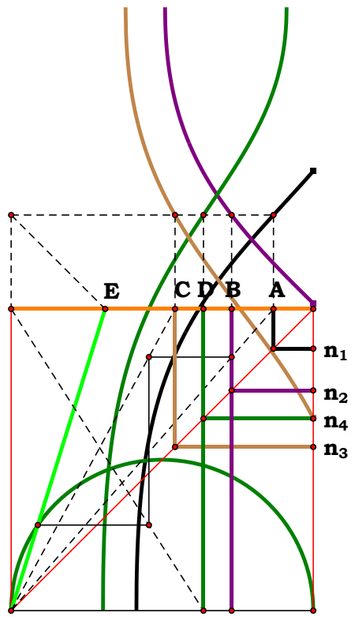
3OBT8R1.docx

Unit = 1.00000
A = 0.86836
B = 0.72983
C = 0.54250
D = 0.63656
E = 0.31121

n_1 = 1.15160
n_2 = 1.37018
n_3 = 1.84333
n_4 = 1.57093

$$\frac{A\cdot D-\sqrt{8\cdot A\cdot B\cdot C\cdot D-3\cdot A^2\cdot D^2-4\cdot B^2\cdot C^2}}{2\cdot(A\cdot D-B\cdot C)}-E=0.00000$$

$$\frac{\sqrt{(n_2\cdot n_3-2\cdot n_1\cdot n_4)\cdot(2\cdot n_1\cdot n_4-3\cdot n_2\cdot n_3)}-n_2\cdot n_3}{2\cdot(n_1\cdot n_4-n_2\cdot n_3)}-E=0.00000$$

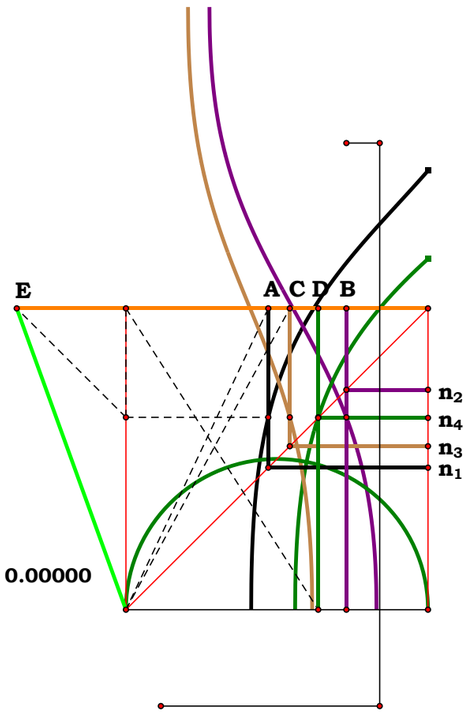


Unit = 1.00000
A = 0.47128
B = 0.72983
C = 0.54250
D = 0.63656
E = –0.36158

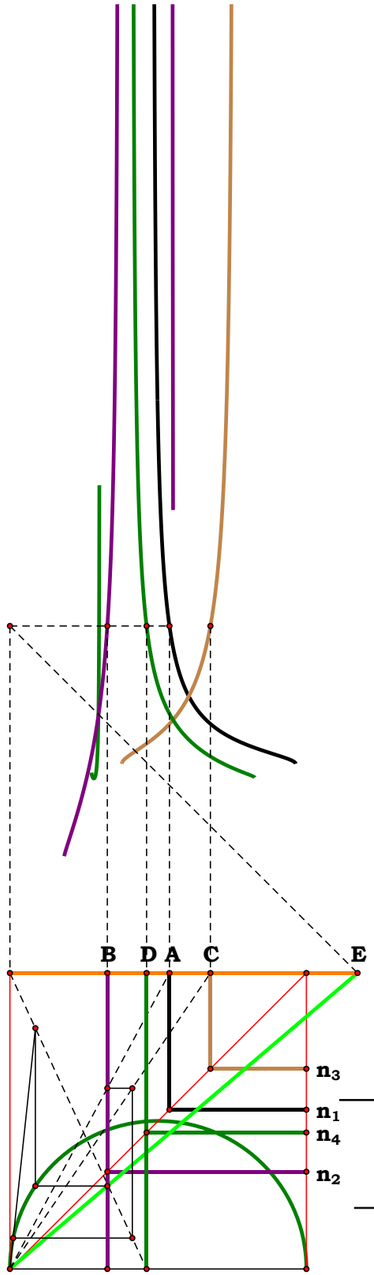
n_1 = 2.12190
n_2 = 1.37018
n_3 = 1.84333
n_4 = 1.57093

$$\frac{A\cdot D-\sqrt{8\cdot A\cdot B\cdot C\cdot D-3\cdot A^2\cdot D^2-4\cdot B^2\cdot C^2}}{2\cdot(A\cdot D-B\cdot C)}-E=0.00000$$

$$\frac{\sqrt{(n_2\cdot n_3-2\cdot n_1\cdot n_4)\cdot(2\cdot n_1\cdot n_4-3\cdot n_2\cdot n_3)}-n_2\cdot n_3}{2\cdot(n_1\cdot n_4-n_2\cdot n_3)}-E=0.00000$$



3OBT8R2.docx



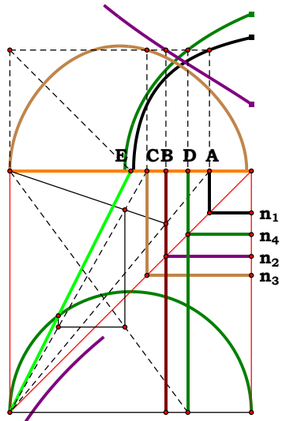
Unit = 1.00000
A = 0.53815
B = 0.32857
C = 0.67625
D = 0.46101
E = 1.17255

$n_1 = 1.85820$
$n_2 = 3.04353$
$n_3 = 1.47874$
$n_4 = 2.16914$

$$\frac{(A\cdot B\cdot D)\cdot\left((2\cdot A\cdot D^2)-\sqrt{(A\cdot D-2\cdot B\cdot C)\cdot(2\cdot B\cdot C-3\cdot A\cdot D)}+(A\cdot D-2\cdot B\cdot C\cdot D)\right)}{\sqrt{\left(2\cdot A^2\cdot D^3\right)\cdot\left(\left(2\cdot A^2\cdot D^3-2\cdot B^2\cdot C^2-A^2\cdot D^2\right)-(A\cdot D)\cdot\sqrt{8\cdot A\cdot B\cdot C\cdot D-3\cdot A^2\cdot D^2-4\cdot B^2\cdot C^2}+\left(2\cdot B^2\cdot C^2\cdot D+4\cdot A\cdot B\cdot C\cdot D\right)+(B\cdot C\cdot D)\cdot\sqrt{8\cdot A\cdot B\cdot C\cdot D-3\cdot A^2\cdot D^2-4\cdot B^2\cdot C^2-\left(5\cdot A\cdot B\cdot C\cdot D^2\right)}\right)}}-E=0.00000$$

$$\frac{\sqrt{2}\cdot\left(n_2\cdot n_3\cdot n_4-n_4\cdot\sqrt{8\cdot {n_1}^2\cdot n_2\cdot n_3\cdot n_4-4\cdot {n_1}^2\cdot {n_4}^2-3\cdot {n_2}^2\cdot {n_3}^2}-2\cdot\left(n_1\cdot n_4-n_2\cdot n_3\right)\right)}{2\cdot n_2\cdot\sqrt{2\cdot n_1\cdot {n_4}^2\cdot\left(2\cdot n_2\cdot n_3+n_1\right)-n_4\cdot\left({n_2}^2\cdot {n_3}^2+\sqrt{\left(2\cdot n_1\cdot n_4-3\cdot n_2\cdot n_3\right)\cdot\left(n_2\cdot n_3-2\cdot n_1\cdot n_4\right)}\cdot\left(n_2\cdot n_3-n_1\right)+5\cdot n_1\cdot n_2\cdot n_3\right)-2\cdot\left({n_1}^2\cdot {n_4}^3-{n_2}^2\cdot {n_3}^2\right)}}-E=0.00000$$

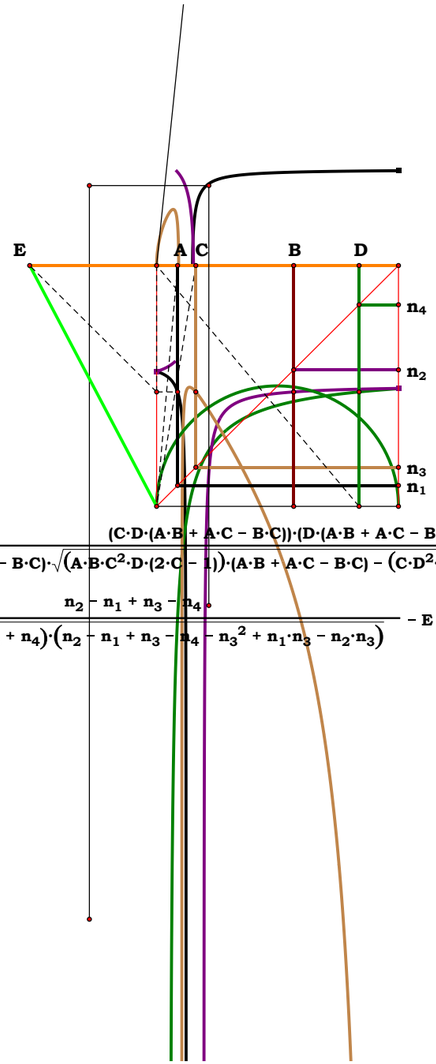
3OBT8R3.docx



Unit = 1.00000
A = 0.82656
B = 0.64623
C = 0.56757
D = 0.73688
E = 0.50110
n_1 = 1.20983
n_2 = 1.54743
n_3 = 1.76188
n_4 = 1.35707

$$\frac{(C\cdot D\cdot(A\cdot B + A\cdot C - B\cdot C))\cdot(D\cdot(A\cdot B + A\cdot C - B\cdot C) - (A\cdot B\cdot C))}{D\cdot(A\cdot B + A\cdot C - B\cdot C)\cdot\sqrt{(A\cdot B\cdot C^2\cdot D\cdot(2\cdot C - 1))\cdot(A\cdot B + A\cdot C - B\cdot C) - (C\cdot D^2\cdot(C - 1))\cdot(A\cdot B + A\cdot C - B\cdot C)^2 - (A^2\cdot B^2\cdot C^4)}} - E = 0.00000$$

$$\frac{n_2 - n_1 + n_3 - n_4}{\sqrt{(n_1 - n_2 - n_3 + n_4)\cdot(n_2 - n_1 + n_3 - n_4 - n_3^2 + n_1\cdot n_3 - n_2\cdot n_3)}} - E = 0.00000$$

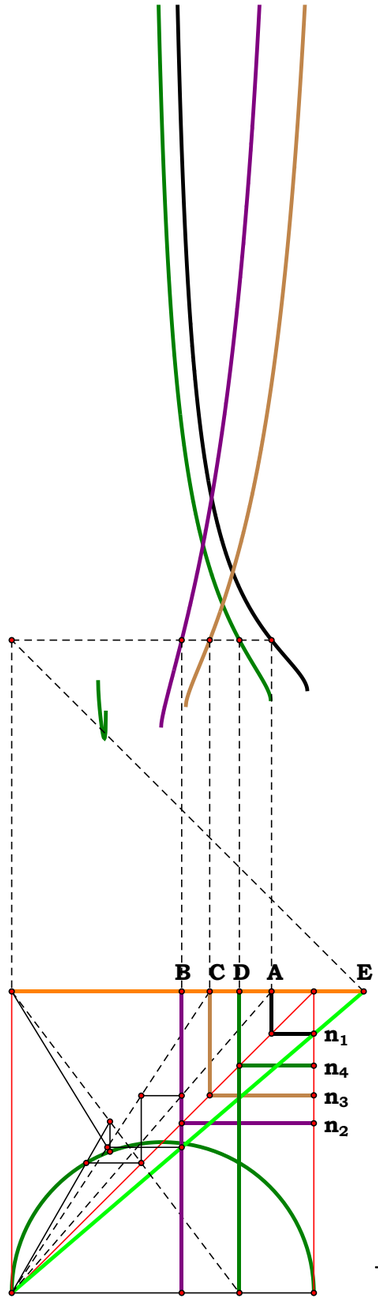


Unit = 1.00000
A = 0.08673
B = 0.56682
C = 0.16213
D = 0.83720
E = –0.52483
n_1 = 11.52976
n_2 = 1.76424
n_3 = 6.16788
n_4 = 1.19446

$$\frac{(C\cdot D\cdot(A\cdot B + A\cdot C - B\cdot C))\cdot(D\cdot(A\cdot B + A\cdot C - B\cdot C) - (A\cdot B\cdot C))}{D\cdot(A\cdot B + A\cdot C - B\cdot C)\cdot\sqrt{(A\cdot B\cdot C^2\cdot D\cdot(2\cdot C - 1))\cdot(A\cdot B + A\cdot C - B\cdot C) - (C\cdot D^2\cdot(C - 1))\cdot(A\cdot B + A\cdot C - B\cdot C)^2 - (A^2\cdot B^2\cdot C^4)}} - E = 0.00000$$

$$\frac{n_2 - n_1 + n_3 - n_4}{\sqrt{(n_1 - n_2 - n_3 + n_4)\cdot(n_2 - n_1 + n_3 - n_4 - n_3^2 + n_1\cdot n_3 - n_2\cdot n_3)}} - E = 0.00000$$

3OBT8R4.docx



Unit = 1.00000
A = 0.86000
B = 0.56264
C = 0.65535
D = 0.75360
E = 1.16522

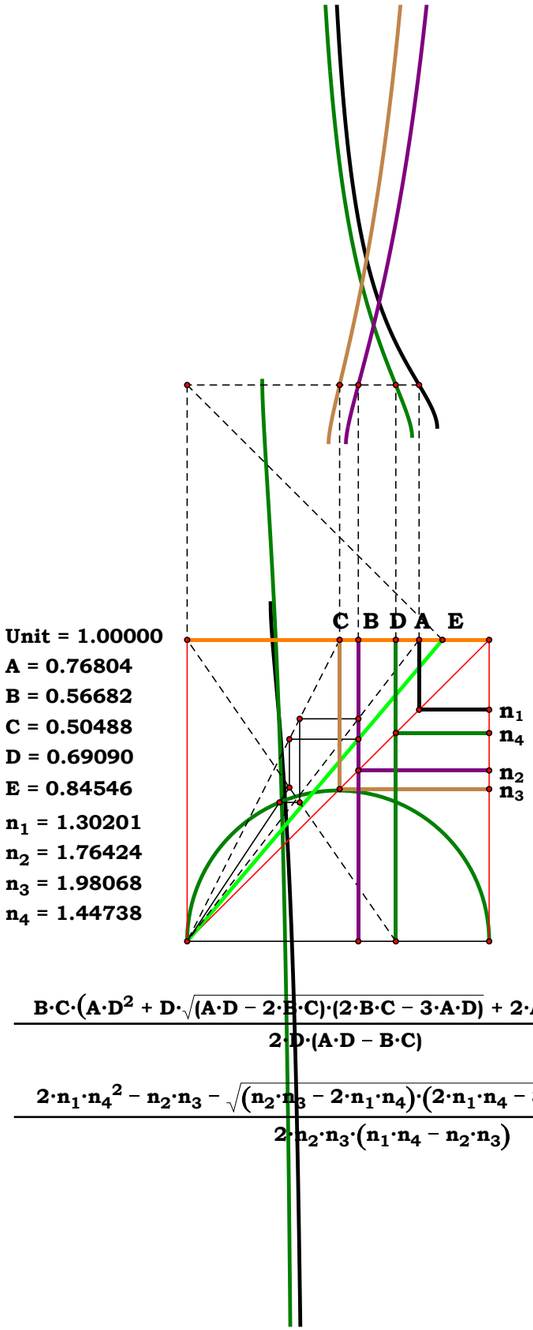
$n_1 = 1.16279$
$n_2 = 1.77735$
$n_3 = 1.52590$
$n_4 = 1.32696$

$$X - \sqrt{(n_2 \cdot n_3 - 2 \cdot n_1 \cdot n_4) \cdot (2 \cdot n_1 \cdot n_4 - 3 \cdot n_2 \cdot n_3)} = 0.00000$$

$$\frac{\sqrt{2} \cdot \sqrt{(n_4 \cdot (n_1 - n_2 \cdot n_3)) \cdot X - (n_2^2 \cdot n_3^2 \cdot (n_4 - 2)) - (2 \cdot n_1^2 \cdot n_4^2 \cdot (n_4 - 1)) + (n_1 \cdot n_2 \cdot n_3 \cdot n_4 \cdot (4 \cdot n_4 - 5))} + (2 \cdot n_1 \cdot n_4 - 2 \cdot n_2 \cdot n_3) + n_3 \cdot X + n_4 \cdot X - n_2 \cdot n_3^2 - (n_2 \cdot n_3 \cdot n_4)}{(n_2 \cdot n_3) \cdot (X - (n_2 \cdot n_3))} - E = 0.00000$$

If I get the time, I might finish this with the first set of equations.

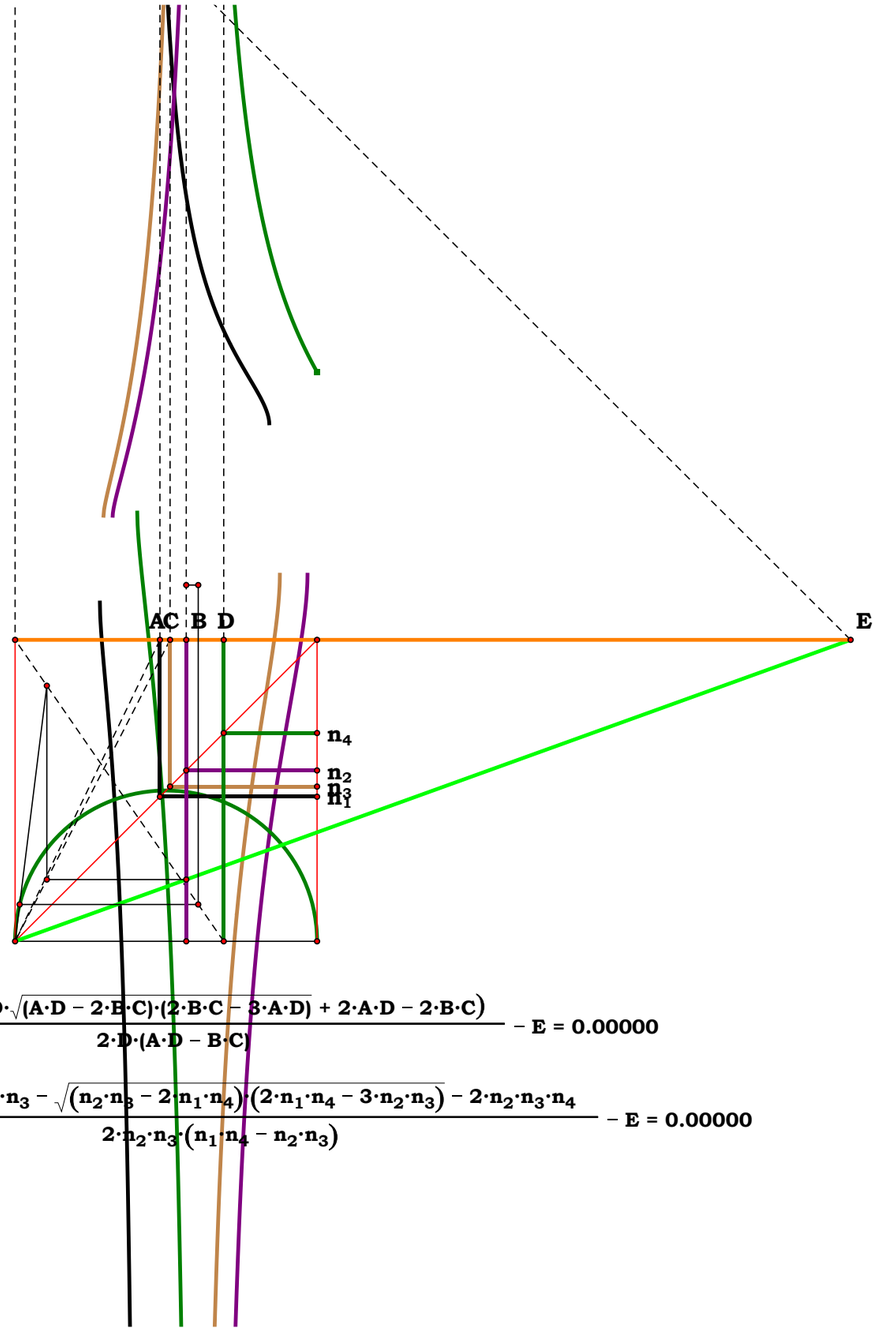
3OBT8R5.docx



Unit = 1.00000
A = 0.76804
B = 0.56682
C = 0.50488
D = 0.69090
E = 0.84546
n_1 = 1.30201
n_2 = 1.76424
n_3 = 1.98068
n_4 = 1.44738

$$\frac{B\cdot C\cdot\left(A\cdot D^2 + D\cdot\sqrt{(A\cdot D - 2\cdot B\cdot C)\cdot(2\cdot B\cdot C - 3\cdot A\cdot D)} + 2\cdot A\cdot D - 2\cdot B\cdot C\right)}{2\cdot D\cdot(A\cdot D - B\cdot C)} - E = 0.00000$$

$$\frac{2\cdot n_1\cdot n_4^2 - n_2\cdot n_3 - \sqrt{\left(n_2\cdot n_3 - 2\cdot n_1\cdot n_4\right)\cdot\left(2\cdot n_1\cdot n_4 - 3\cdot n_2\cdot n_3\right)} - 2\cdot n_2\cdot n_3\cdot n_4}{2\cdot n_2\cdot n_3\cdot\left(n_1\cdot n_4 - n_2\cdot n_3\right)} - E = 0.00000$$

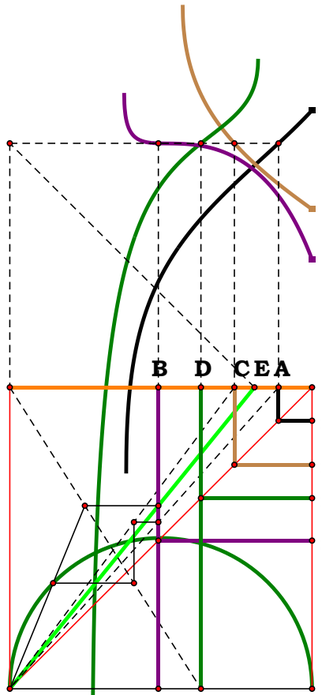


Unit = 1.00000
A = 0.47964
B = 0.56682
C = 0.51324
D = 0.69090
E = 2.76698
n_1 = 2.08491
n_2 = 1.76424
n_3 = 1.94842
n_4 = 1.44738

$$\frac{B\cdot C\cdot\left(A\cdot D^2 + D\cdot\sqrt{(A\cdot D - 2\cdot B\cdot C)\cdot(2\cdot B\cdot C - 3\cdot A\cdot D)} + 2\cdot A\cdot D - 2\cdot B\cdot C\right)}{2\cdot D\cdot(A\cdot D - B\cdot C)} - E = 0.00000$$

$$\frac{2\cdot n_1\cdot n_4^2 - n_2\cdot n_3 - \sqrt{\left(n_2\cdot n_3 - 2\cdot n_1\cdot n_4\right)\cdot\left(2\cdot n_1\cdot n_4 - 3\cdot n_2\cdot n_3\right)} - 2\cdot n_2\cdot n_3\cdot n_4}{2\cdot n_2\cdot n_3\cdot\left(n_1\cdot n_4 - n_2\cdot n_3\right)} - E = 0.00000$$

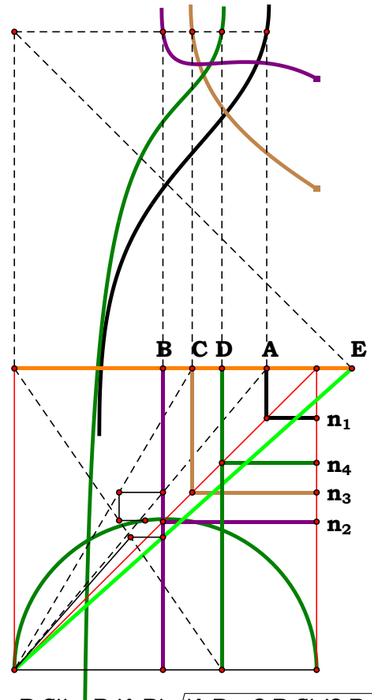
3OBT8R6.docx



Unit = 1.00000
A = 0.88926
B = 0.49158
C = 0.74313
D = 0.63238
E = 0.80953
n_1 = 1.12453
n_2 = 2.03426
n_3 = 1.34567
n_4 = 1.58132

$$\frac{A\cdot B\cdot D^2\cdot(A+2\cdot(A\cdot D-B\cdot C))-B\cdot(A\cdot D)\cdot\sqrt{(A\cdot D-2\cdot B\cdot C)\cdot(2\cdot B\cdot C-3\cdot A\cdot D)}}{2\cdot A\cdot D^2\cdot(A\cdot D-B\cdot C)}-E=0.00000$$

$$\frac{2\cdot n_1\cdot n_4-2\cdot n_2\cdot n_3+n_4\cdot\sqrt{(n_2\cdot n_3-2\cdot n_1\cdot n_4)\cdot(2\cdot n_1\cdot n_4-3\cdot n_2\cdot n_3)}-n_2\cdot n_3\cdot n_4}{2\cdot n_2\cdot(n_1\cdot n_4-n_2\cdot n_3)}-E=0.00000$$

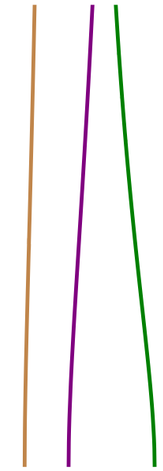


Unit = 1.00000
A = 0.83492
B = 0.49158
C = 0.58847
D = 0.68672
E = 1.11687
n_1 = 1.19772
n_2 = 2.03426
n_3 = 1.69931
n_4 = 1.45619

$$\frac{A\cdot B\cdot D^2\cdot(A+2\cdot(A\cdot D-B\cdot C))-B\cdot(A\cdot D)\cdot\sqrt{(A\cdot D-2\cdot B\cdot C)\cdot(2\cdot B\cdot C-3\cdot A\cdot D)}}{2\cdot A\cdot D^2\cdot(A\cdot D-B\cdot C)}-E=0.00000$$

$$\frac{2\cdot n_1\cdot n_4-2\cdot n_2\cdot n_3+n_4\cdot\sqrt{(n_2\cdot n_3-2\cdot n_1\cdot n_4)\cdot(2\cdot n_1\cdot n_4-3\cdot n_2\cdot n_3)}-n_2\cdot n_3\cdot n_4}{2\cdot n_2\cdot(n_1\cdot n_4-n_2\cdot n_3)}-E=0.00000$$

3OBT8R7.docx



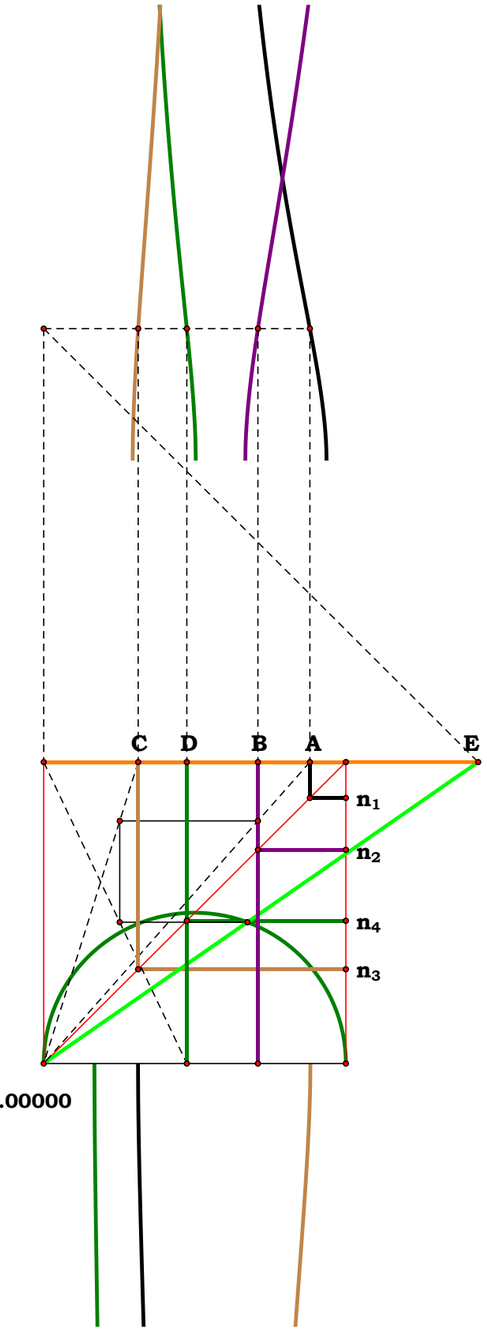
Unit = 1.00000

A = 0.88090
B = 0.70893
C = 0.31260
D = 0.47355
E = 1.43792

n_1 = 1.13520
n_2 = 1.41058
n_3 = 3.19893
n_4 = 2.11171

$$\frac{A\cdot D+\sqrt{(A\cdot D-2\cdot B\cdot C)\cdot(2\cdot B\cdot C-3\cdot A\cdot D)}}{2\cdot(A\cdot D-B\cdot C)}-E=0.00000$$

$$\frac{n_2\cdot n_3+\sqrt{(n_2\cdot n_3-2\cdot n_1\cdot n_4)\cdot(2\cdot n_1\cdot n_4-3\cdot n_2\cdot n_3)}}{2\cdot(n_2\cdot n_3-n_1\cdot n_4)}-E=0.00000$$



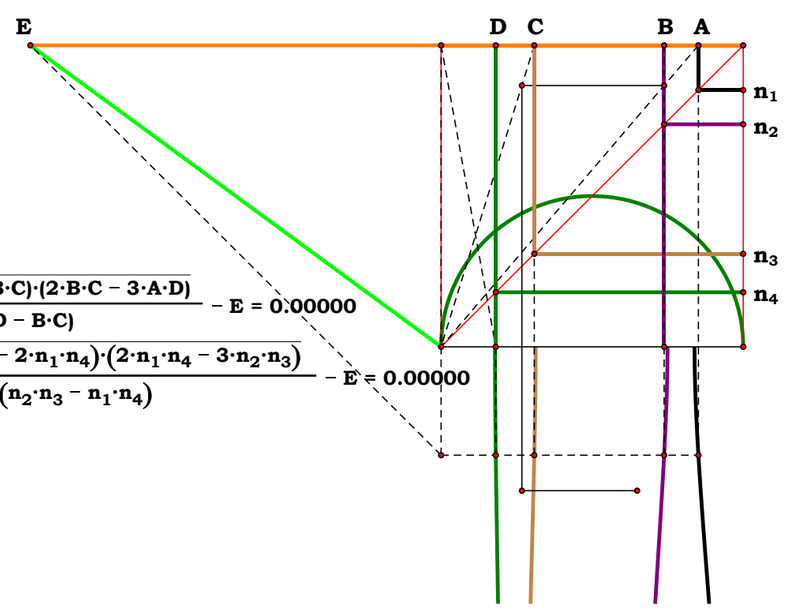
Unit = 1.00000

A = 0.85164
B = 0.73819
C = 0.30842
D = 0.18096
E = –1.35954

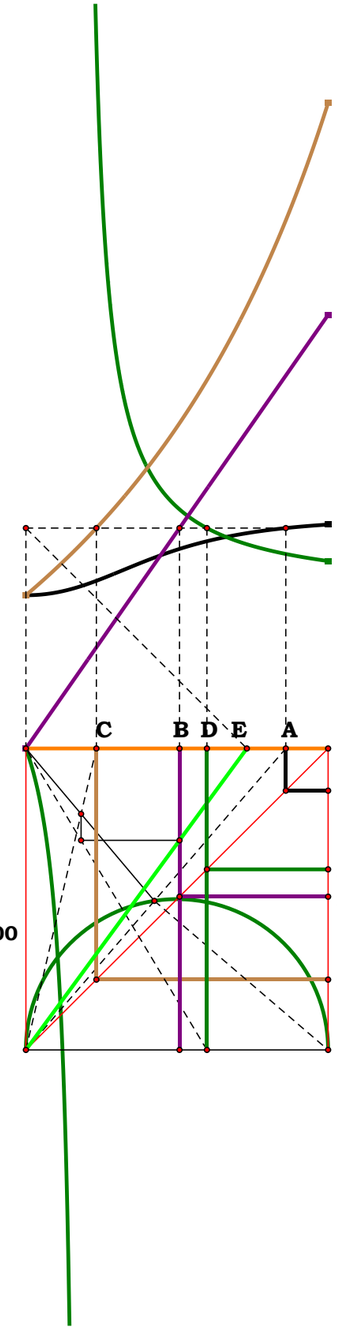
n_1 = 1.17420
n_2 = 1.35467
n_3 = 3.24228
n_4 = 5.52601

$$\frac{A\cdot D+\sqrt{(A\cdot D-2\cdot B\cdot C)\cdot(2\cdot B\cdot C-3\cdot A\cdot D)}}{2\cdot(A\cdot D-B\cdot C)}-E=0.00000$$

$$\frac{n_2\cdot n_3+\sqrt{(n_2\cdot n_3-2\cdot n_1\cdot n_4)\cdot(2\cdot n_1\cdot n_4-3\cdot n_2\cdot n_3)}}{2\cdot(n_2\cdot n_3-n_1\cdot n_4)}-E=0.00000$$



3OBT8R8.docx

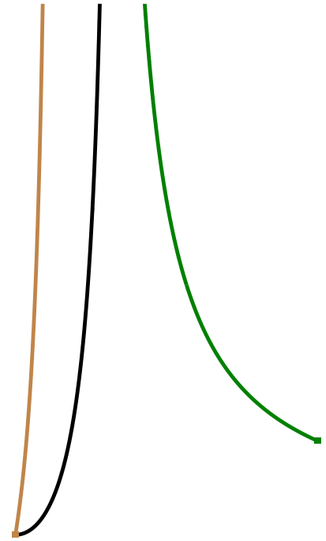


Unit = 1.00000
A = 0.86000
B = 0.50830
C = 0.23319
D = 0.59895
E = 0.73115

$n_1 = 1.16279$
$n_2 = 1.96735$
$n_3 = 4.28839$
$n_4 = 1.66960$

$$\frac{B \cdot D \cdot \left(A^2 + C + A \cdot C \cdot (A - 1)\right)}{A^2 \cdot D + C \cdot \left(D - A^2\right) + A \cdot C \cdot D \cdot (A - 1)} - E = 0.00000$$

$$\frac{{n_1}^2 - n_1 + n_3 + 1}{n_2 \cdot \left({n_1}^2 - n_1 + n_3 - n_4 + 1\right)} - E = 0.00000$$

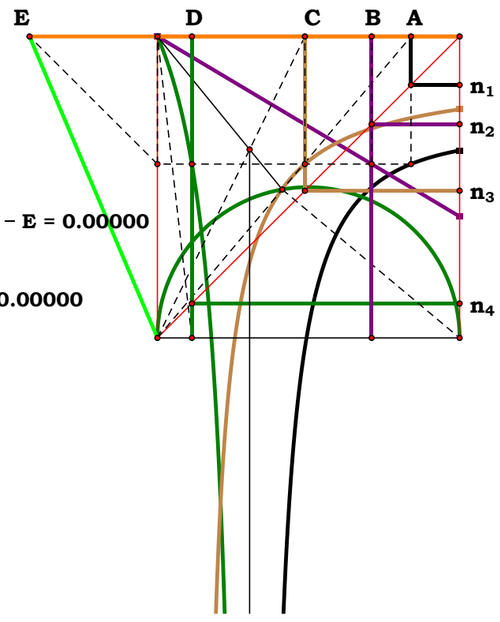


Unit = 1.00000
A = 0.83910
B = 0.70893
C = 0.48816
D = 0.11409
E = –0.42330

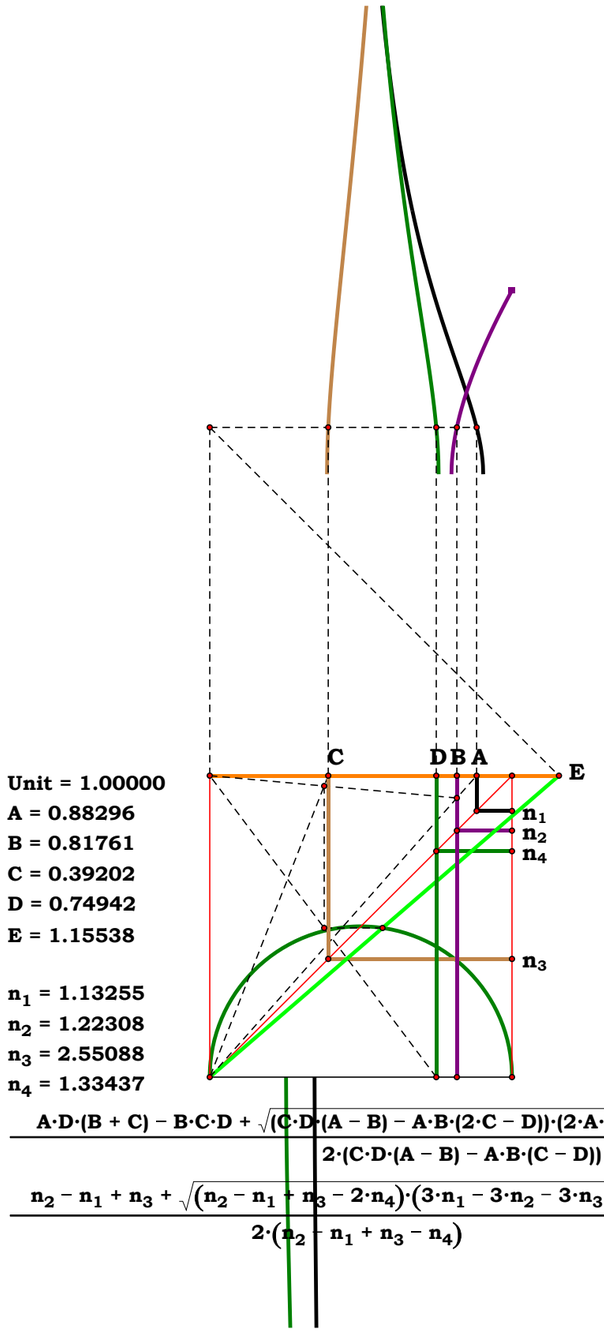
$n_1 = 1.19175$
$n_2 = 1.41058$
$n_3 = 2.04852$
$n_4 = 8.76538$

$$\frac{B \cdot D \cdot \left(A^2 + C + A \cdot C \cdot (A - 1)\right)}{A^2 \cdot D + C \cdot \left(D - A^2\right) + A \cdot C \cdot D \cdot (A - 1)} - E = 0.00000$$

$$\frac{{n_1}^2 - n_1 + n_3 + 1}{n_2 \cdot \left({n_1}^2 - n_1 + n_3 - n_4 + 1\right)} - E = 0.00000$$



3OBT8R9.docx

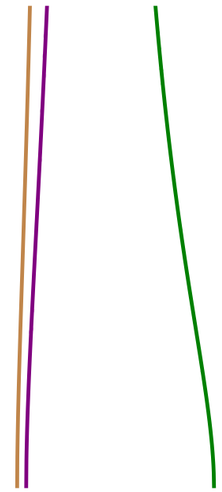


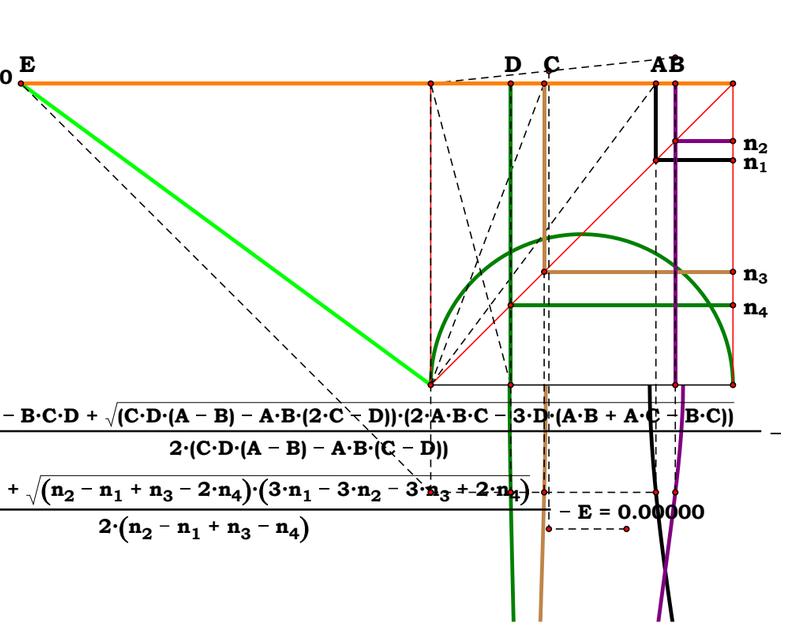
Unit = 1.00000
A = 0.88296
B = 0.81761
C = 0.39202
D = 0.74942
E = 1.15538

n_1 = 1.13255
n_2 = 1.22308
n_3 = 2.55088
n_4 = 1.33437

$$\frac{A\cdot D\cdot(B+C)-B\cdot C\cdot D+\sqrt{(C\cdot D\cdot(A-B)-A\cdot B\cdot(2\cdot C-D))\cdot(2\cdot A\cdot B\cdot C-3\cdot D\cdot(A\cdot B+A\cdot C-B\cdot C))}}{2\cdot(C\cdot D\cdot(A-B)-A\cdot B\cdot(C-D))}-E=0.00000$$

$$\frac{n_2-n_1+n_3+\sqrt{(n_2-n_1+n_3-2\cdot n_4)\cdot(3\cdot n_1-3\cdot n_2-3\cdot n_3+2\cdot n_4)}}{2\cdot(n_2-n_1+n_3-n_4)}-E=0.00000$$





Unit = 1.00000
A = 0.74503
B = 0.80925
C = 0.37530
D = 0.26456
E = –1.35617

n_1 = 1.34223
n_2 = 1.23572
n_3 = 2.66452
n_4 = 3.77987

$$\frac{A\cdot D\cdot(B+C)-B\cdot C\cdot D+\sqrt{(C\cdot D\cdot(A-B)-A\cdot B\cdot(2\cdot C-D))\cdot(2\cdot A\cdot B\cdot C-3\cdot D\cdot(A\cdot B+A\cdot C-B\cdot C))}}{2\cdot(C\cdot D\cdot(A-B)-A\cdot B\cdot(C-D))}-E=0.00000$$

$$\frac{n_2-n_1+n_3+\sqrt{(n_2-n_1+n_3-2\cdot n_4)\cdot(3\cdot n_1-3\cdot n_2-3\cdot n_3+2\cdot n_4)}}{2\cdot(n_2-n_1+n_3-n_4)}-E=0.00000$$

3OBT9R0.docx

Unit = 1.00000

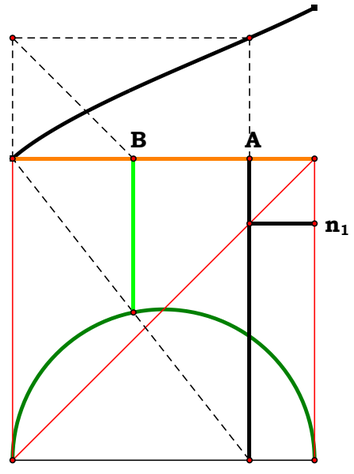
A = 0.78476

B = 0.40027

$n_1 = 1.27427$

$$\frac{A^2 + 2\cdot A - A\cdot\sqrt{4\cdot A - 3\cdot A^2}}{2\cdot A^2 + 2} - B = 0.00000$$

$$\frac{2\cdot n_1 + 1 - \sqrt{4\cdot n_1 - 3}}{2\cdot\left(n_1^{\,2} + 1\right)} - B = 0.00000$$



3OBT9R1.docx

Unit = 1.00000

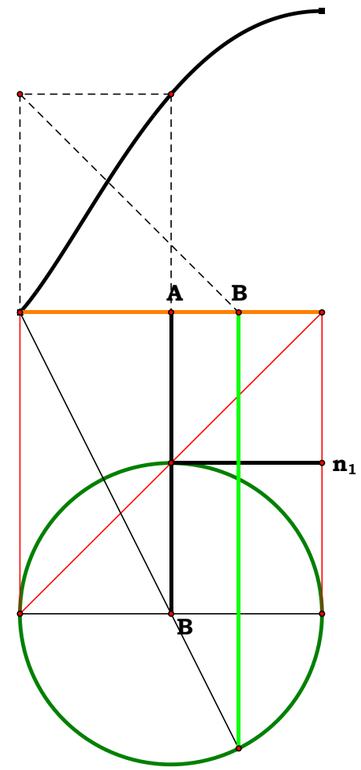
A = 0.50054

B = 0.72423

$n_1 = 1.99786$

$$\frac{A^2 + 2\cdot A + A\cdot\sqrt{4\cdot A - 3\cdot A^2}}{2\cdot A^2 + 2} - B = 0.00000$$

$$\frac{2\cdot n_1 + 1 + \sqrt{4\cdot n_1 - 3}}{2\cdot\left(n_1{}^2 + 1\right)} - B = 0.00000$$



3OBT9R2.docx

Unit = 1.00000

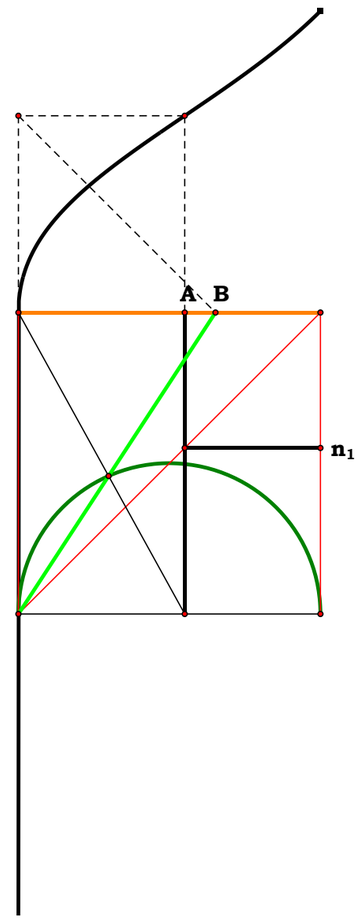
A = 0.55069

B = 0.65256

$n_1 = 1.81589$

$$\frac{A^2 + 2\cdot A - A\cdot\sqrt{4\cdot A - 3\cdot A^2}}{2\cdot A^2 - A + \sqrt{4\cdot A - 3\cdot A^2}} - B = 0.00000$$

$$\frac{2\cdot n_1 + 1 - \sqrt{4\cdot n_1 - 3}}{2 - n_1 + n_1\cdot\sqrt{4\cdot n_1 - 3}} - B = 0.00000$$



3OBT9R3.docx

Unit = 1.00000

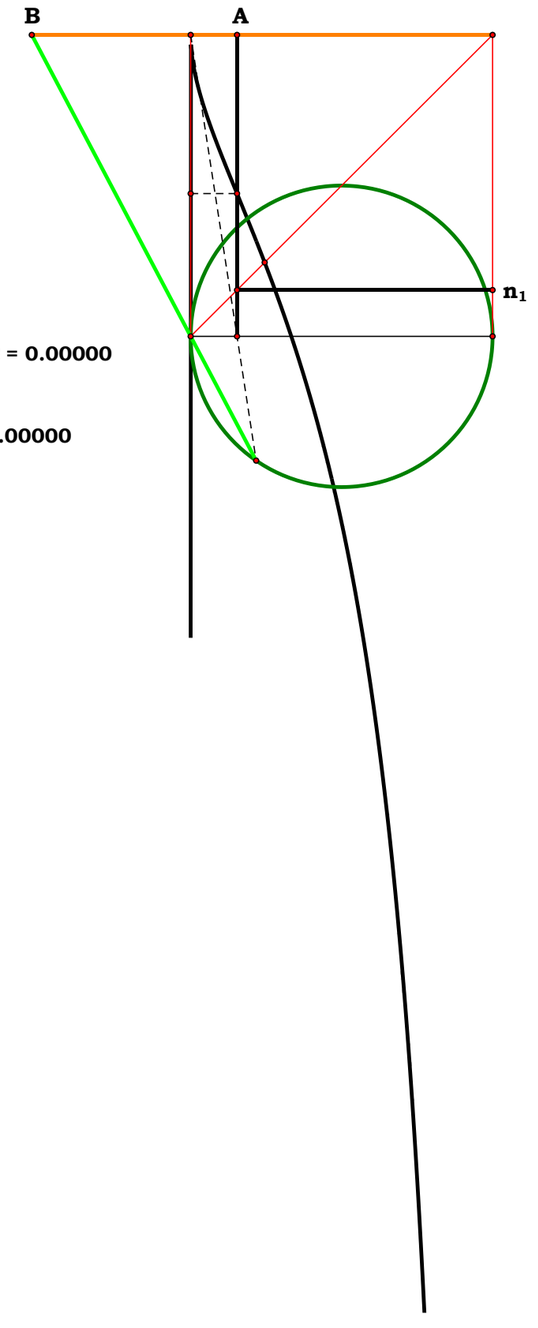
A = 0.15361

B = –0.52631

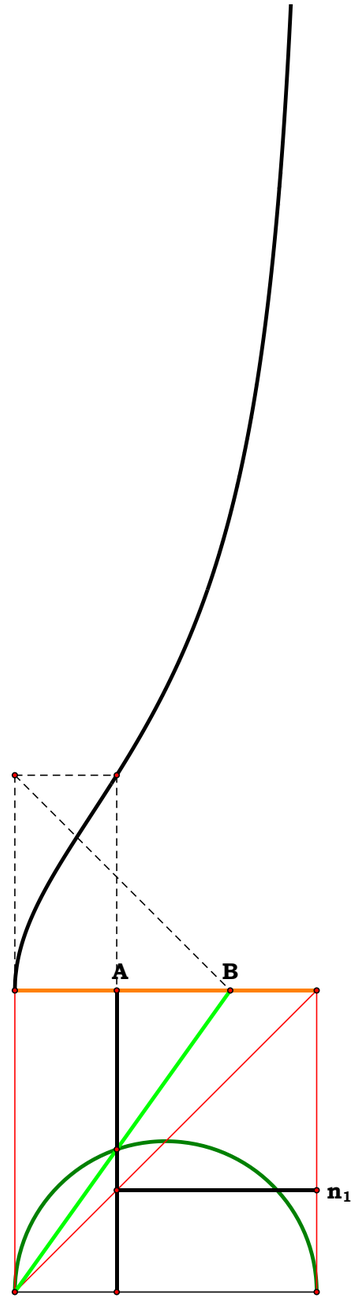
$n_1 = 6.51002$

$$\frac{2\cdot A + A^2 + A\cdot\sqrt{4\cdot A - 3\cdot A^2}}{2\cdot A^2 - A - \sqrt{4\cdot A - 3\cdot A^2}} - B = 0.00000$$

$$\frac{2\cdot n_1 + 1 + \sqrt{4\cdot n_1 - 3}}{2 - n_1 - n_1\cdot\sqrt{4\cdot n_1 - 3}} - B = 0.00000$$



3OBT9R4.docx



Unit = 1.00000
A = 0.33752
B = 0.71378

$n_1 = 2.96277$

$$\frac{A}{\sqrt{A - A^2}} - B = 0.00000$$

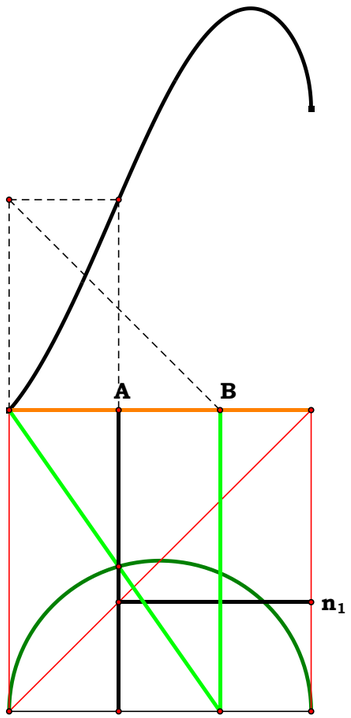
$$\frac{1}{\sqrt{n_1 - 1}} - B = 0.00000$$

3OBT9R5.docx

Unit = 1.00000
A = 0.36260
B = 0.69832
n_1 = 2.75785

$$\frac{A}{1-\sqrt{A-A^2}} - B = 0.00000$$

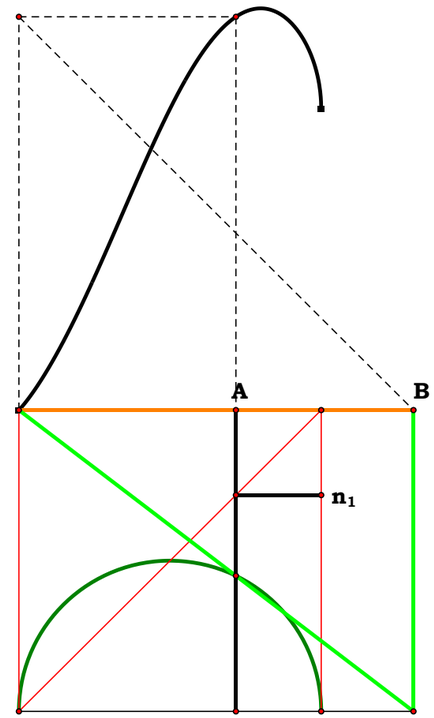
$$\frac{1}{n_1-\sqrt{n_1-1}} - B = 0.00000$$



Unit = 1.00000
A = 0.71789
B = 1.30532
n_1 = 1.39298

$$\frac{A}{1-\sqrt{A-A^2}} - B = 0.00000$$

$$\frac{1}{n_1-\sqrt{n_1-1}} - B = 0.00000$$



3OBT10AR0.docx

Unit = 1.00000

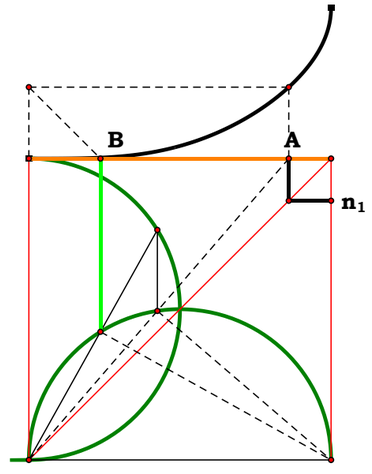
A = 0.86000

B = 0.23686

$n_1 = 1.16279$

$$\frac{A^2 + 1 - \sqrt{2 \cdot A^2 - 3 \cdot A^4 + 1}}{2 \cdot A^2 + 2} - B = 0.00000$$

$$\frac{n_1^2 + 1 - \sqrt{(n_1 - 1) \cdot (n_1 + 1) \cdot (n_1^2 + 3)}}{2 \cdot (n_1^2 + 1)} - B = 0.00000$$



3OBT10AR1.docx

Unit = 1.00000

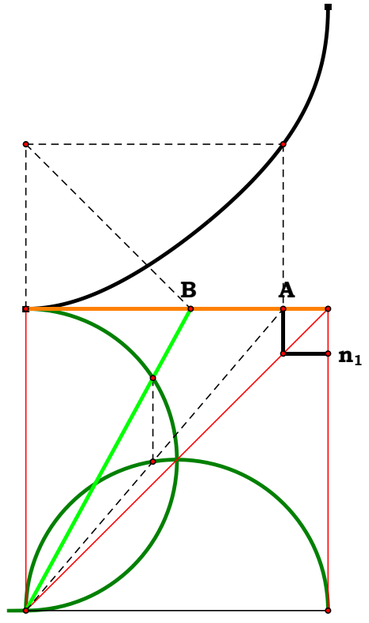
A = 0.85164

B = 0.54547

$n_1 = 1.17420$

$$\frac{A^2 + 1 - \sqrt{2 \cdot A^2 - 3 \cdot A^4 + 1}}{2 \cdot A^2} - B = 0.00000$$

$$\frac{n_1^2 + 1 - \sqrt{n_1^4 + 2 \cdot n_1^2 - 3}}{2} - B = 0.00000$$



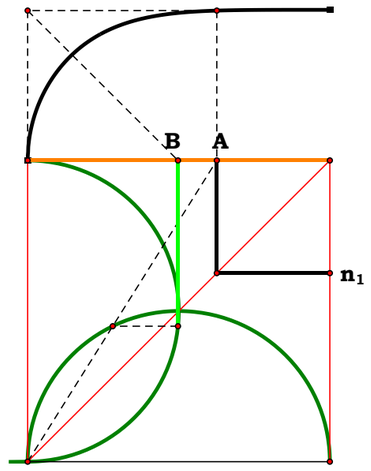
3OBT10AR2.docx

Unit = 1.00000
A = 0.62593
B = 0.49747

$n_1 = 1.59762$

$$\frac{\sqrt{A^3 - A^2 + A}}{A^2 + 1} - B = 0.00000$$

$$\frac{\sqrt{n_1{}^3 - n_1{}^2 + n_1}}{n_1{}^2 + 1} - B = 0.00000$$



3OBT10AR3.docx

Unit = 1.00000

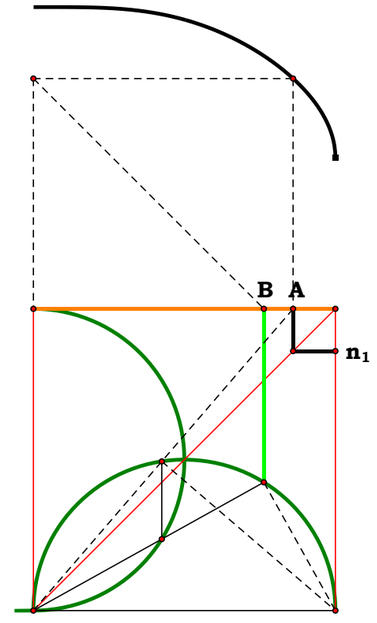
A = 0.86000

B = 0.76314

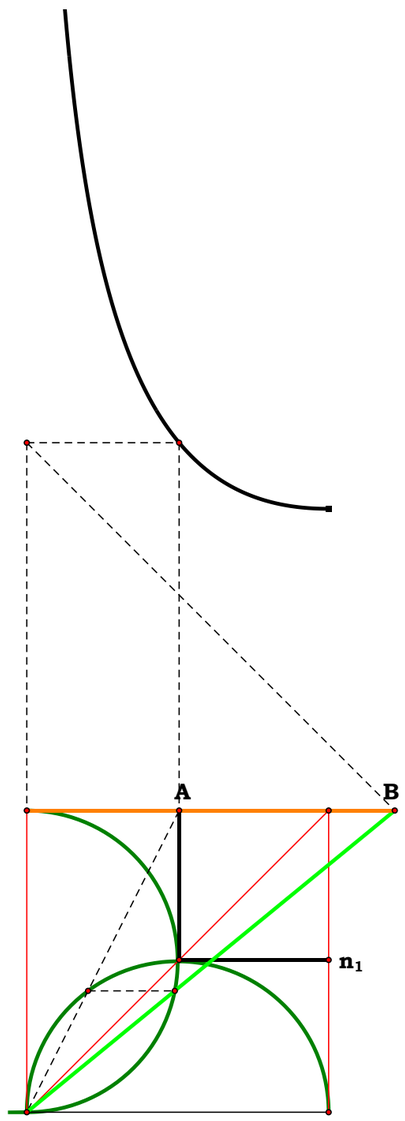
n_1 = 1.16279

$$\frac{A^2 + 1 + \sqrt{2 \cdot A^2 - 3 \cdot A^4 + 1}}{2 \cdot (A^2 + 1)} - B = 0.00000$$

$$\frac{{n_1}^2 + 1 + \sqrt{(n_1 - 1) \cdot (n_1 + 1) \cdot ({n_1}^2 + 3)}}{2 \cdot ({n_1}^2 + 1)} - B = 0.00000$$



3OBT10AR4.docx



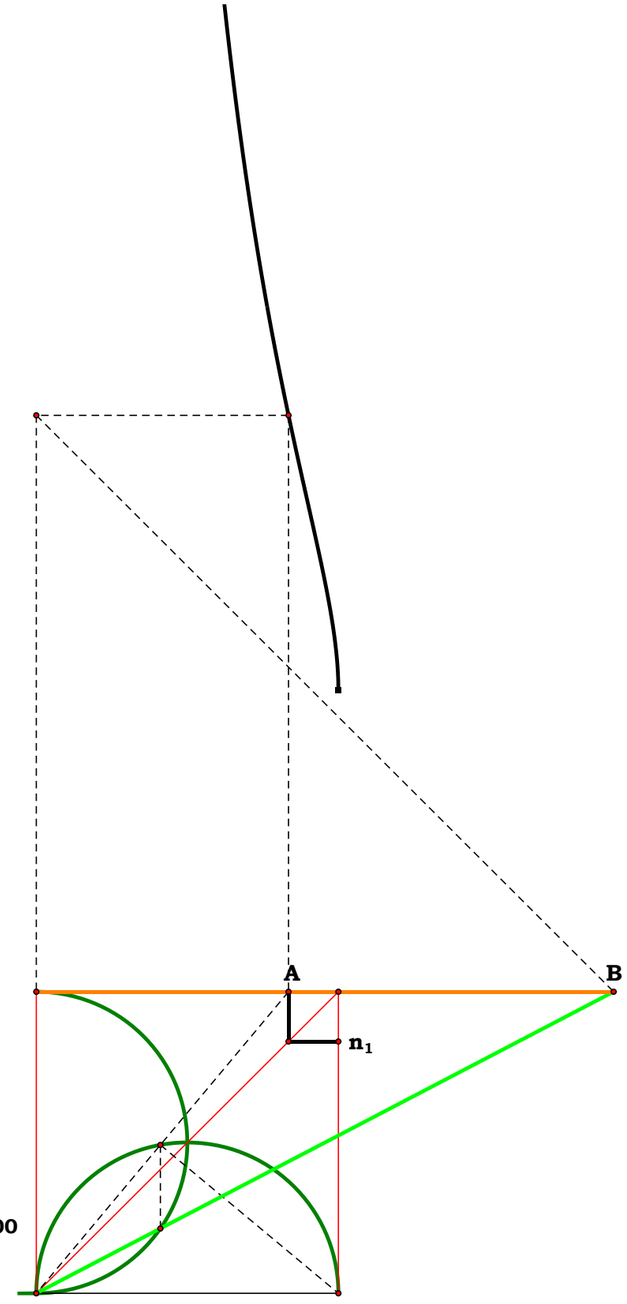
Unit = 1.00000
A = 0.50472
B = 1.21903

n_1 = 1.98132

$$\frac{\sqrt{A^3 - A^2 + A}}{A} = 1.21903$$

$$\frac{\sqrt{{n_1}^2 - n_1 + 1}}{\sqrt{n_1}} = 1.21903$$

3OBT10AR5.docx



Unit = 1.00000
A = 0.83492
B = 1.91133

$n_1 = 1.19772$

$$\frac{2 \cdot A^2}{A^2 + 1 - \sqrt{2 \cdot A^2 - 3 \cdot A^4 + 1}} - B = 0.00000$$

$$\frac{2}{n_1^2 + 1 - \sqrt{(n_1 - 1) \cdot (n_1 + 1) \cdot (n_1^2 + 3)}} - B = 0.00000$$

3OBT10BR3.docx

Unit = 1.00000

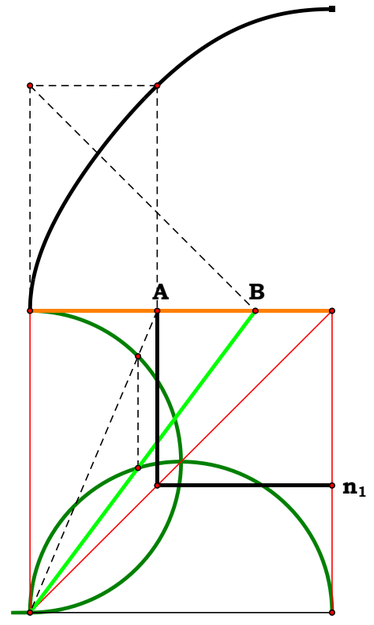
A = 0.42112

B = 0.74624

n_1 = 2.37463

$$\frac{A}{\sqrt{A^3 - A^2 + A}} - B = 0.00000$$

$$\frac{\sqrt{n_1}}{\sqrt{{n_1}^2 - n_1 + 1}} - B = 0.00000$$



3OBT10CR0.docx

Unit = 1.00000

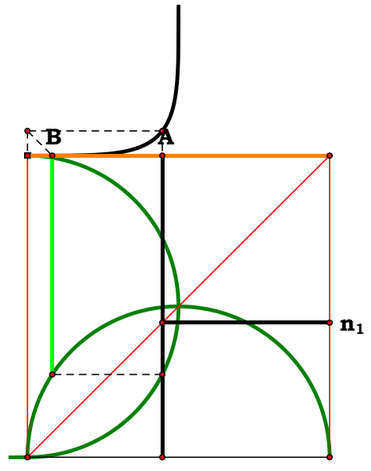
A = 0.44620

B = 0.08201

$n_1 = 2.24116$

$$\frac{1 - \sqrt{4 \cdot A^2 - 1 + 2 \cdot \sqrt{1 - 4 \cdot A^2}}}{2} - B = 0.00000$$

$$\frac{n_1 - \sqrt{2 \cdot n_1 \cdot \sqrt{n_1^2 - 4} - n_1^2 + 4}}{2 \cdot n_1} - B = 0.00000$$



3OBT10CR1.docx

Unit = 1.00000

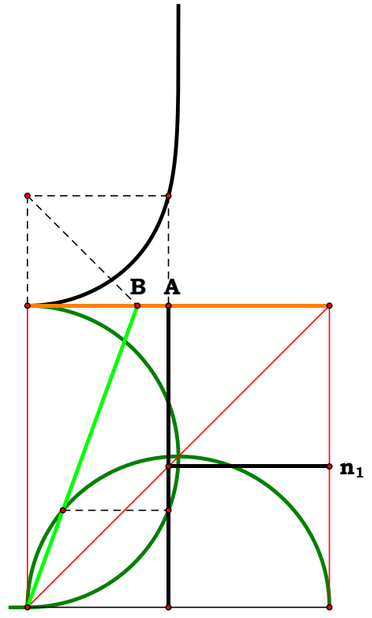
A = 0.46710

B = 0.36430

$n_1 = 2.14088$

$$\frac{\sqrt{4\cdot A^2 + 2\cdot\sqrt{1 - 4\cdot A^2} - 1} - 1}{\sqrt{1 - 4\cdot A^2} - 1} - B = 0.00000$$

$$\frac{n_1 - \sqrt{4 - {n_1}^2 + 2\cdot n_1\cdot\sqrt{{n_1}^2 - 4}}}{n_1 - \sqrt{{n_1}^2 - 4}} - B = 0.00000$$



3OBT10CR2.docx

Unit = 1.00000

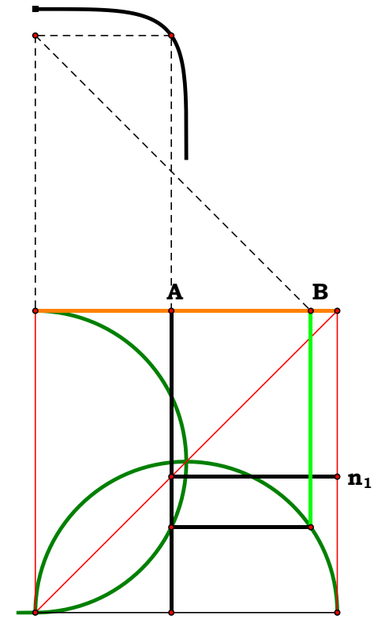
A = 0.45038

B = 0.91232

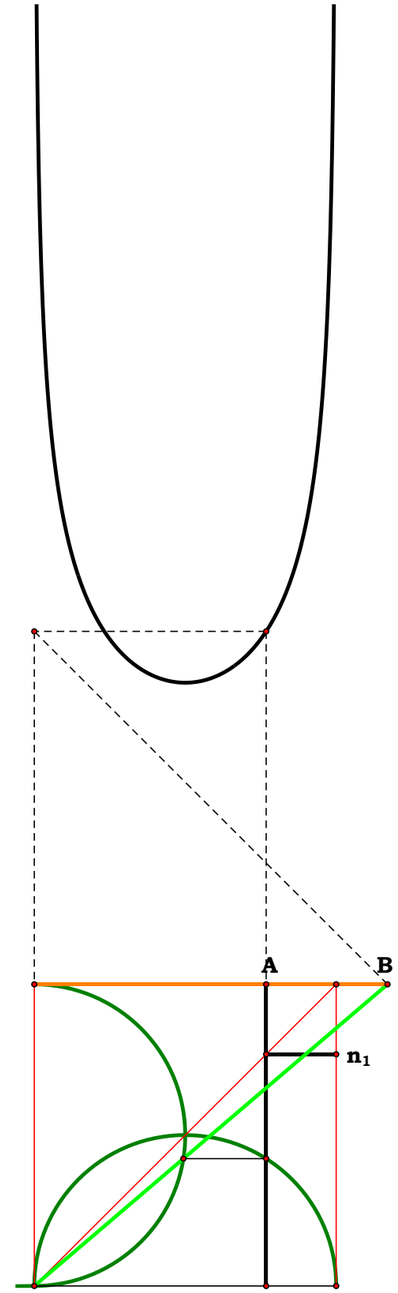
$n_1 = 2.22036$

$$\frac{1 + \sqrt{4 \cdot A^2 - 1 + 2 \cdot \sqrt{1 - 4 \cdot A^2}}}{2} - B = 0.00000$$

$$\frac{n_1 + \sqrt{4 - n_1^2 + 2 \cdot n_1 \cdot \sqrt{n_1^2 - 4}}}{2 \cdot n_1} - B = 0.00000$$



3OBT10CR3.docx



Unit = 1.00000

A = 0.76804

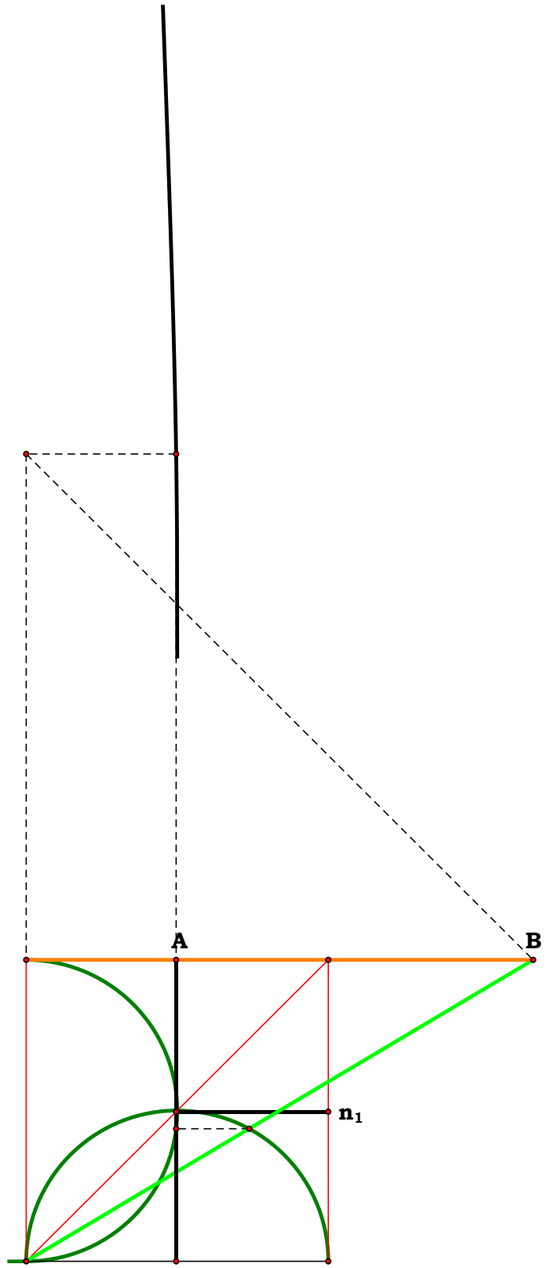
B = 1.17013

n_1 = 1.30201

$$\frac{\sqrt{A^2 - A + \sqrt{A - A^2}}}{\sqrt{A - A^2}} - B = 0.00000$$

$$\frac{\sqrt{1 - n_1 + n_1 \cdot \sqrt{n_1 - 1}}}{\sqrt{n_1 - 1}} - B = 0.00000$$

3OBT10CR4.docx



Unit = 1.00000

A = 0.49636

B = 1.67819

$n_1 = 2.01468$

$$\frac{1 + \sqrt{4 \cdot A^2 - 1 + 2 \cdot \sqrt{1 - 4 \cdot A^2}}}{1 - \sqrt{1 - 4 \cdot A^2}} - B = 0.00000$$

$$\frac{n_1 + \sqrt{4 - {n_1}^2 + 2 \cdot n_1 \cdot \sqrt{{n_1}^2 - 4}}}{n_1 - \sqrt{{n_1}^2 - 4}} - B = 0.00000$$

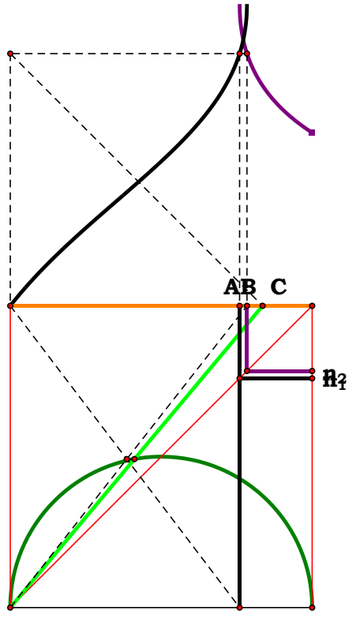
3OBT11R0.docx

Unit = 1.00000
A = 0.75968
B = 0.78417
C = 0.83587

n_1 = 1.31634
n_2 = 1.27524

$$\frac{A + B - \sqrt{2 \cdot A \cdot B + B^2 - 3 \cdot A^2}}{2 \cdot A} - C = 0.00000$$

$$\frac{n_1 + n_2 - \sqrt{n_1^2 + 2 \cdot n_1 \cdot n_2 - 3 \cdot n_2^2}}{2 \cdot n_2} - C = 0.00000$$

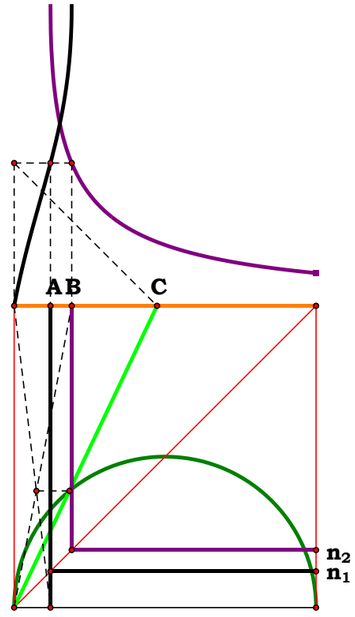


Unit = 1.00000
A = 0.12017
B = 0.19063
C = 0.47324

n_1 = 8.32150
n_2 = 5.24574

$$\frac{A + B - \sqrt{2 \cdot A \cdot B + B^2 - 3 \cdot A^2}}{2 \cdot A} - C = 0.00000$$

$$\frac{n_1 + n_2 - \sqrt{n_1^2 + 2 \cdot n_1 \cdot n_2 - 3 \cdot n_2^2}}{2 \cdot n_2} - C = 0.00000$$



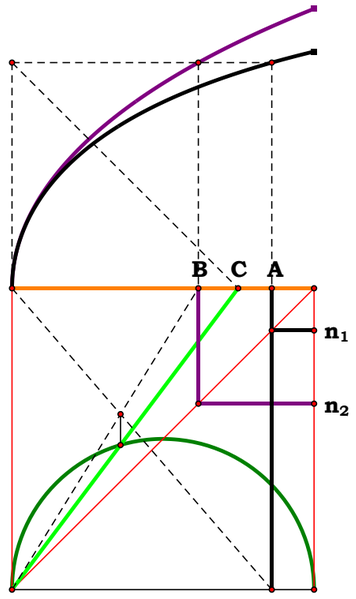
3OBT11R1.docx

Unit = 1.00000
A = 0.86000
B = 0.61697
C = 0.74877

n_1 = 1.16279
n_2 = 1.62081

$$\frac{A \cdot B}{\sqrt{A \cdot B \cdot (A + B - A \cdot B)}} - C = 0.00000$$

$$\frac{1}{\sqrt{n_1 + n_2 - 1}} - C = 0.00000$$

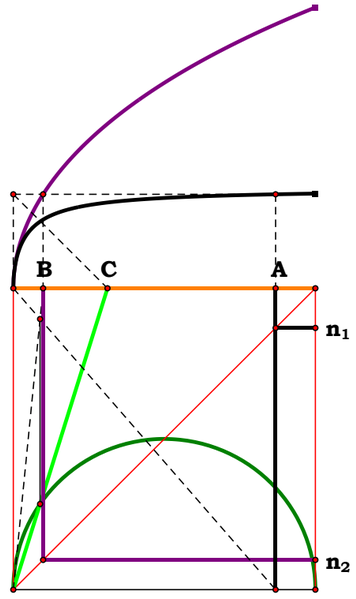


Unit = 1.00000
A = 0.86836
B = 0.09867
C = 0.31180

n_1 = 1.15160
n_2 = 10.13432

$$\frac{A \cdot B}{\sqrt{A \cdot B \cdot (A + B - A \cdot B)}} - C = 0.00000$$

$$\frac{1}{\sqrt{n_1 + n_2 - 1}} - C = 0.00000$$



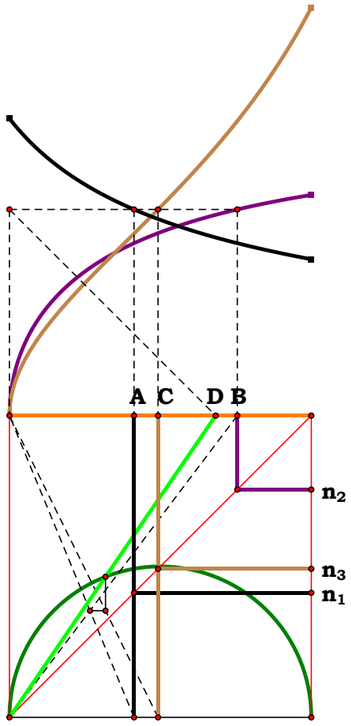
3OBT11R2.docx

Unit = 1.00000
A = 0.41276
B = 0.75491
C = 0.49234
D = 0.68332

n_1 = 2.42272
n_2 = 1.32466
n_3 = 2.03113

$$\frac{B \cdot C}{\sqrt{B \cdot C \cdot (A + B - B \cdot C)}} - D = 0.00000$$

$$\frac{\sqrt{n_1}}{\sqrt{n_1 \cdot n_3 - n_1 + n_2 \cdot n_3}} - D = 0.00000$$

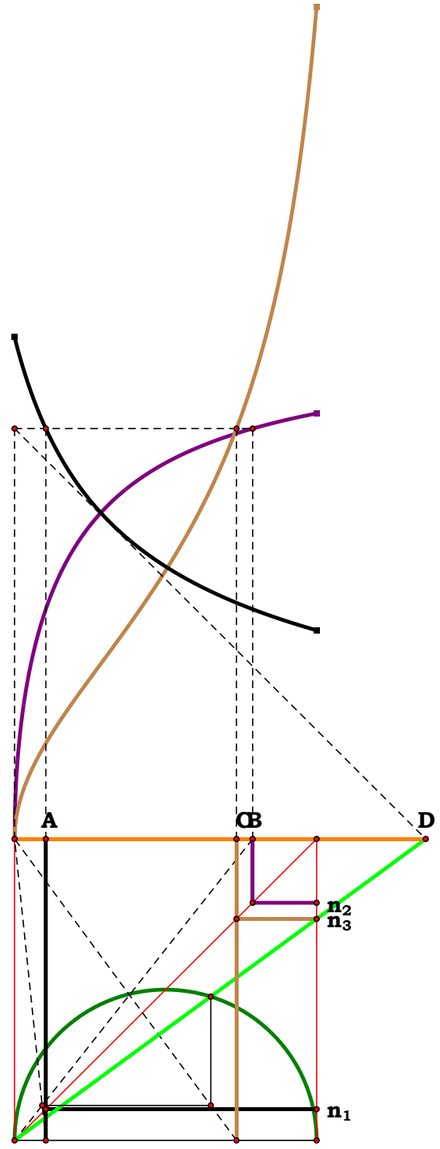


Unit = 1.00000
A = 0.10345
B = 0.78835
C = 0.73477
D = 1.36137

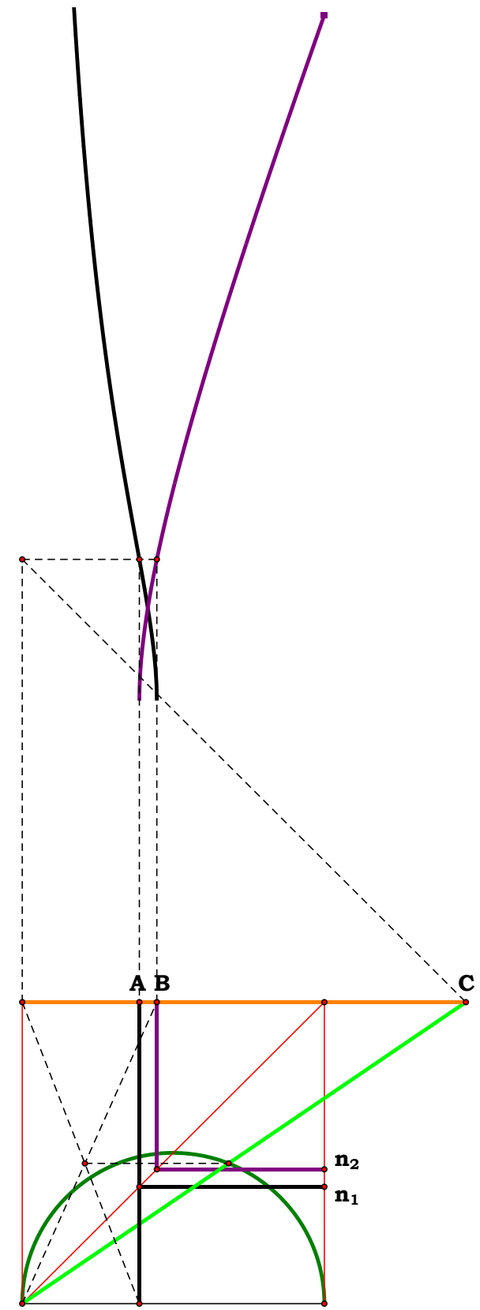
n_1 = 9.66638
n_2 = 1.26848
n_3 = 1.36098

$$\frac{B \cdot C}{\sqrt{B \cdot C \cdot (A + B - B \cdot C)}} - D = 0.00000$$

$$\frac{\sqrt{n_1}}{\sqrt{n_1 \cdot n_3 - n_1 + n_2 \cdot n_3}} - D = 0.00000$$



3OBT11R3.docx



Unit = 1.00000

A = 0.38768

B = 0.44560

C = 1.46838

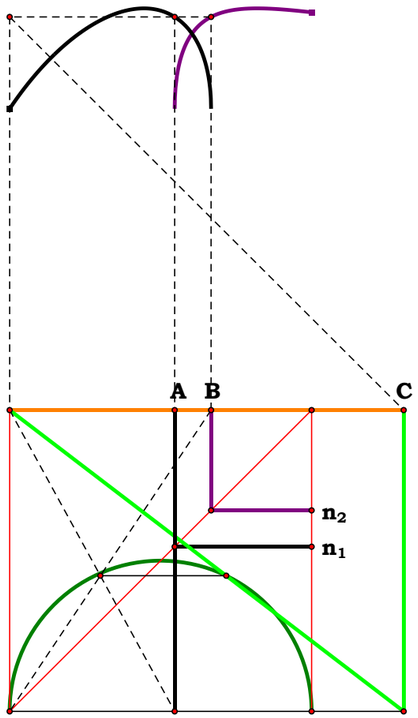
n_1 = 2.57945

n_2 = 2.24416

$$\frac{A + B + \sqrt{2 \cdot A \cdot B - 3 \cdot A^2 + B^2}}{2 \cdot A} - C = 0.00000$$

$$\frac{n_1 + n_2 + \sqrt{{n_1}^2 + 2 \cdot n_1 \cdot n_2 - 3 \cdot {n_2}^2}}{2 \cdot n_2} - C = 0.00000$$

3OBT11R4.docx



Unit = 1.00000
A = 0.54651
B = 0.66713
C = 1.30493

n_1 = 1.82978
n_2 = 1.49895

$$\frac{A + B + \sqrt{2 \cdot A \cdot B - 3 \cdot A^2 + B^2}}{2 \cdot B} - C = 0.00000$$

$$\frac{n_1 + n_2 + \sqrt{n_1^2 + 2 \cdot n_1 \cdot n_2 - 3 \cdot n_2^2}}{2 \cdot n_1} - C = 0.00000$$

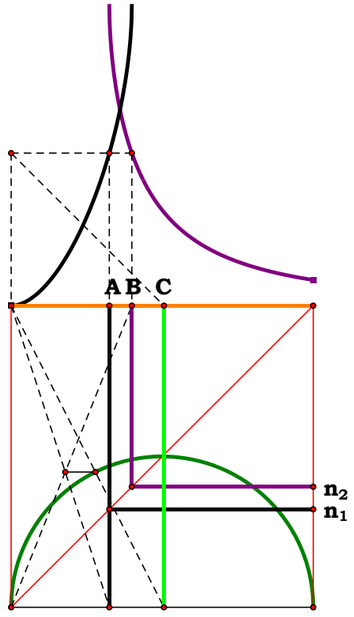
3OBT11R5.docx

Unit = 1.00000
A = 0.32498
B = 0.39962
C = 0.50585

n_1 = 3.07709
n_2 = 2.50236

$$\frac{A + B - \sqrt{2 \cdot A \cdot B - 3 \cdot A^2 + B^2}}{2 \cdot B} - C = 0.00000$$

$$\frac{n_1 + n_2 - \sqrt{n_1^2 + 2 \cdot n_1 \cdot n_2 - 3 \cdot n_2^2}}{2 \cdot n_1} - C = 0.00000$$

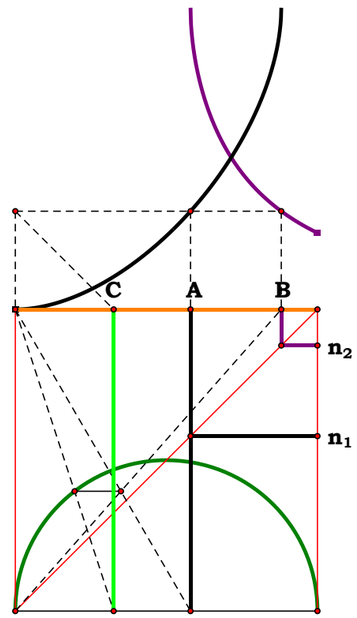


Unit = 1.00000
A = 0.57995
B = 0.88030
C = 0.32554

n_1 = 1.72428
n_2 = 1.13597

$$\frac{A + B - \sqrt{2 \cdot A \cdot B - 3 \cdot A^2 + B^2}}{2 \cdot B} - C = 0.00000$$

$$\frac{n_1 + n_2 - \sqrt{n_1^2 + 2 \cdot n_1 \cdot n_2 - 3 \cdot n_2^2}}{2 \cdot n_1} - C = 0.00000$$



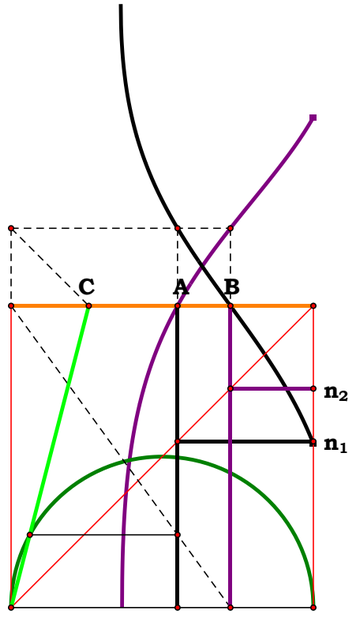
3OBT11R6.docx

Unit = 1.00000
A = 0.55069
B = 0.72565
C = 0.25703

n_1 = 1.81589
n_2 = 1.37808

$$\frac{\sqrt{8\cdot A\cdot B - 4\cdot A^2 - 3\cdot B^2} - B}{2\cdot(A - B)} - C = 0.00000$$

$$\frac{n_1 - \sqrt{(2\cdot n_2 - n_1)\cdot(3\cdot n_1 - 2\cdot n_2)}}{2\cdot(n_1 - n_2)} - C = 0.00000$$

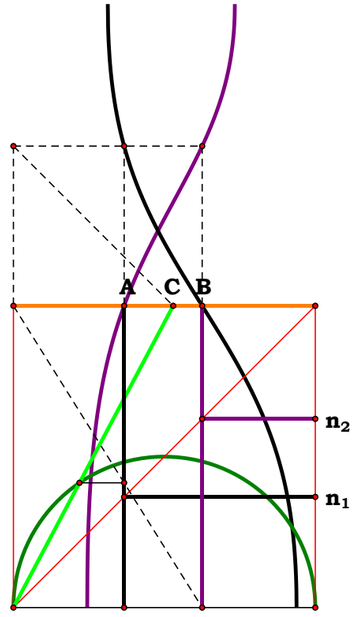


Unit = 1.00000
A = 0.36678
B = 0.62533
C = 0.52930

n_1 = 2.72642
n_2 = 1.59915

$$\frac{\sqrt{8\cdot A\cdot B - 4\cdot A^2 - 3\cdot B^2} - B}{2\cdot(A - B)} - C = 0.00000$$

$$\frac{n_1 - \sqrt{(2\cdot n_2 - n_1)\cdot(3\cdot n_1 - 2\cdot n_2)}}{2\cdot(n_1 - n_2)} - C = 0.00000$$



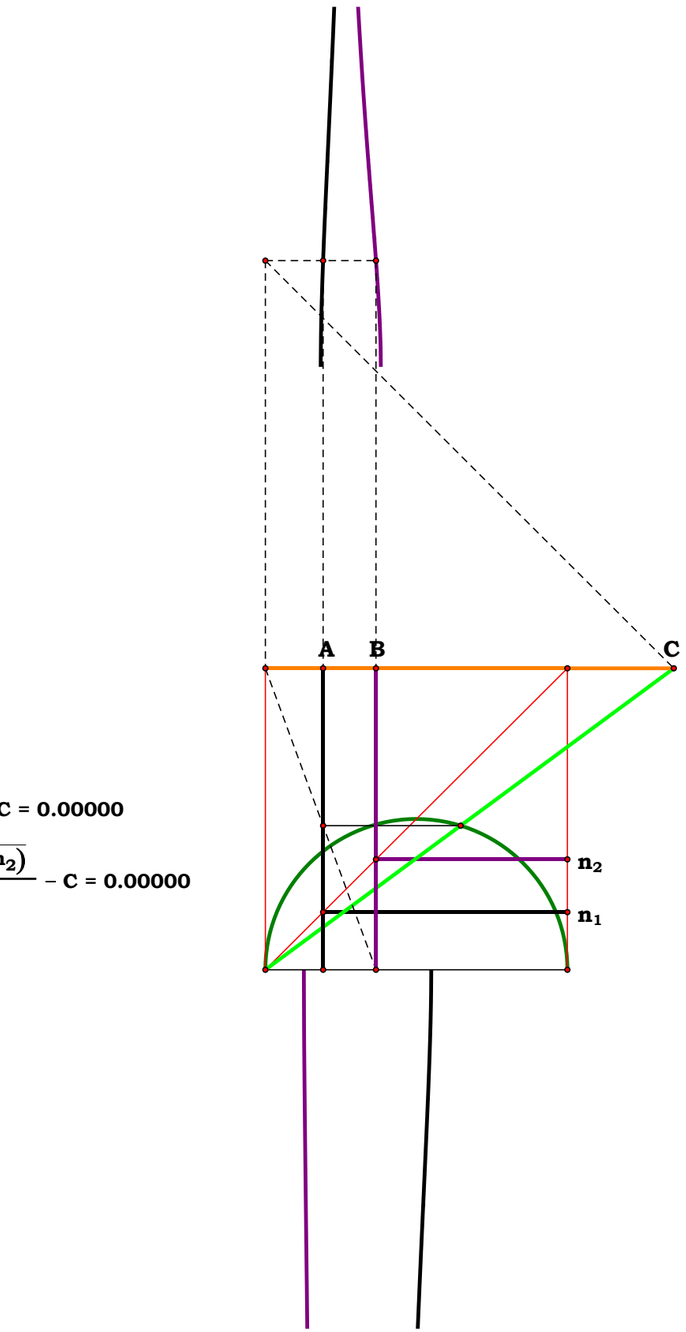
3OBT11R7.docx

Unit = 1.00000
A = 0.19113
B = 0.36618
C = 1.35240

n_1 = 5.23207
n_2 = 2.73087

$$\frac{B + \sqrt{(2\cdot A - 3\cdot B)\cdot(B - 2\cdot A)}}{2\cdot(B - A)} - C = 0.00000$$

$$\frac{n_1 + \sqrt{(2\cdot n_2 - n_1)\cdot(3\cdot n_1 - 2\cdot n_2)}}{2\cdot(n_1 - n_2)} - C = 0.00000$$



3OBT11R8.docx

Unit = 1.00000

A = 0.24557

B = 0.52084

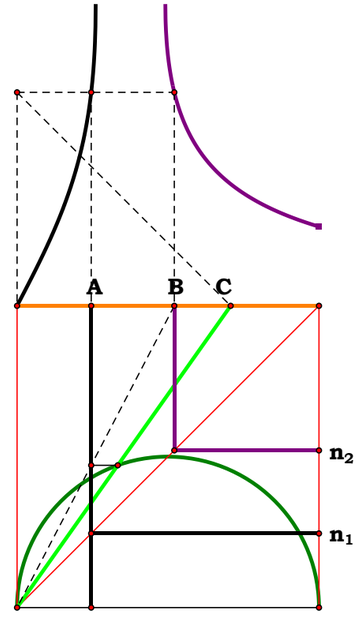
C = 0.70746

$n_1 = 4.07223$

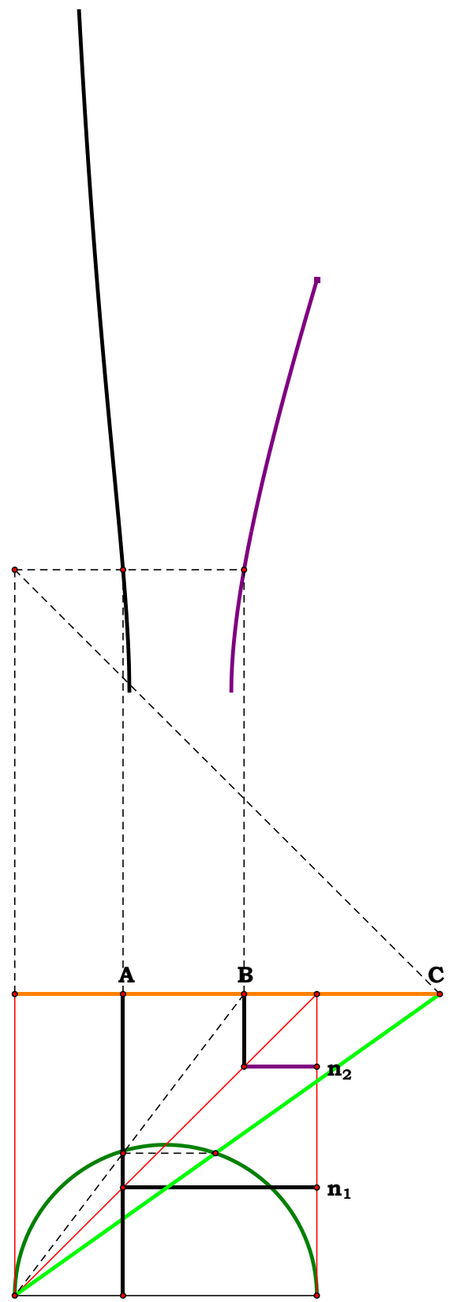
$n_2 = 1.91998$

$$\frac{B - \sqrt{B^2 - 4 \cdot A^2}}{2 \cdot A} - C = 0.00000$$

$$\frac{n_1 - \sqrt{(n_1 - 2 \cdot n_2) \cdot (n_1 + 2 \cdot n_2)}}{2 \cdot n_2} - C = 0.00000$$



3OBT11R9.docx



Unit = 1.00000
A = 0.35842
B = 0.75909
C = 1.40727

n_1 = 2.79001
n_2 = 1.31737

$$\frac{B + \sqrt{B^2 - 4 \cdot A^2}}{2 \cdot A} - C = 0.00000$$

$$\frac{n_1 + \sqrt{{n_1}^2 - 4 \cdot {n_2}^2}}{2 \cdot n_2} - C = 0.00000$$